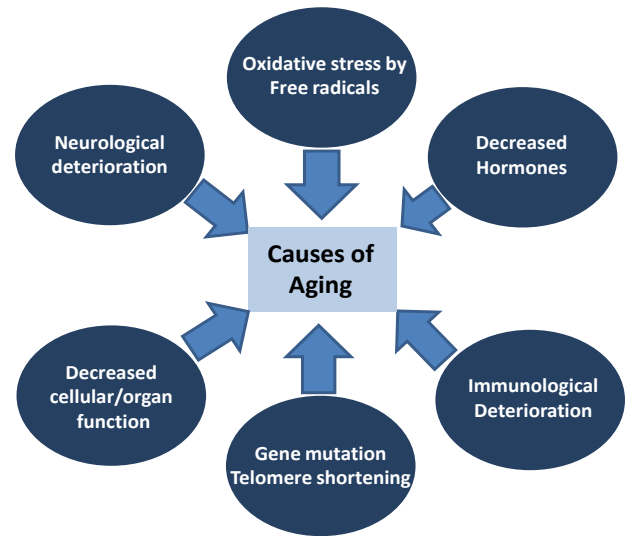


Aging

Aging is an accumulation of changes that happen in an organism over time. It is not the cause but the effect of many physiological and psychological changes as we age and some of these alterations can be signs of disease. Some changes are easily visible, for example grey hair and wrinkles on the skin but some are more intrinsic like slowing down of metabolism, neurodegeneration and memory loss, oxidative damage to cells and tissues, cardiovascular changes, decline in bone density, visual acuity and so on. BioVision offers research tools to study every aspect of these changes so that the cellular signaling pathways involved in aging can be understood better for improved disease interventions.



Assay Kits

Product Name	Cat. No.	Size
8-hydroxy-2'-deoxyguanosine (8-OHdG) ELISA Kit	K4160	100 assays
Adiponectin (human) Elisa Assay Kit	K4901	96 assays
Adiponectin (mouse) Elisa Assay Kit	K4902	96 assays
Adiponectin (rat) Elisa Assay Kit	K4903	96 assays
ApoSENSOR™ ADP/ATP Ratio Bioluminescence Assay Kit	K255	200 assays, 1000 assays
KinaseSTART™ Akt Activity Assay Kit	K435	40 assays
Aldolase Activity Colorimetric Assay Kit	K665	100 assays
Angiogenin (human) ELISA Kit	K4802	100 assays
Angiopoietin-1 (human) ELISA Kit	K7115	100 assays
Angiopoietin-2 (human) ELISA Kit	K7116	100 assays
ApoBrdU DNA Fragmentation Assay Kit	K401	60 assays
ApoBrdU Red DNA Fragmentation Kit	K404	60 assays
ApoBrdU-IHC DNA Fragmentation Assay Kit	K403	50 assays
ApoDIRECT DNA Fragmentation Assay Kit	K402	50 assays
Apolipoprotein E4/Pan-ApoE (human) ELISA Kit	K4699	100 assays
Apoptotic DNA Ladder Isolation Kit	K170	50 assays
Ascorbic Acid Colorimetric Assay Kit II (FRASC)	K671	100 assays
Ascorbic Acid Colorimetric/Fluorometric Assay Kit	K661	100 assays
ApoSENSOR™ ATP Cell Viability Bioluminescence Assay Kit	K254	200 assays
BDNF (human) ELISA Kit	K4788	100 assays
Beta-NGF (human) ELISA Kit	K4787	100 assays
Beta-Secretase Activity Fluorometric Assay Kit	K360	100 assays

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Assay Kits

Product Name	Cat. No.	Size
Bioluminescence Cytotoxicity Assay Kit	K312	500 assays
BMP-2 (human) ELISA Kit	K4744	100 assays
CA19-9 (human) ELISA Kit	K7427	100 assays
EZViable™ Calcein AM Cell Viability Assay Kit (Fluorometric)	K305	1000 assays
Cancer Antigen 125 (CA-125) (human) ELISA Kit	K4803	100 assays
Cancer Antigen 15-3 (CA15-3) (human) ELISA Kit	K4804	100 assays
Catalase Activity Colorimetric/Fluorometric Assay Kit	K773	100 assays
Cathepsin B (CTSB) Inhibitor Screening Kit (Fluorometric)	K147	100 assays
Cathepsin B (human) ELISA Kit	K7408	100 assays
Cathepsin B (mouse) ELISA Kit	K7407	100 assays
Cathepsin B Activity Fluorometric Assay Kit	K140	100 assays
Cathepsin D (human) ELISA Kit	K7409	100 assays
Cathepsin D (mouse) ELISA Kit	K7410	100 assays
Cathepsin D Activity Fluorometric Assay Kit	K143	100 assays
Cathepsin D Inhibitor Screening Kit (Fluorometric)	K148	100 assays
Cathepsin G Activity Fluorometric Assay Kit	K146	100 assays
Cathepsin H Activity Fluorometric Assay Kit	K145	100 assays
Cathepsin K Activity Fluorometric Assay Kit	K141	100 assays
Cathepsin K Inhibitor Screening Kit (Fluorometric)	K150	100 assays
Cathepsin L Activity Fluorometric Assay Kit	K142	100 assays
Cathepsin S (human) ELISA Kit	K7277	100 assays
Cathepsin S Activity Fluorometric Assay Kit	K144	100 assays
Cathepsin S Inhibitor Screening Kit (Fluorometric)	K149	100 assays
CD40 (human) ELISA Kit	K3072	100 assays
CD40 (mouse) ELISA Kit	K3073	100 assays
CETP Activity Fluorometric Assay Kit II	K595	100 assays
c-jun (Human) ELISA Kit	K4198	100 assays
Cytochrome c Apoptosis Assay Kit	K257	100 assays
Cytochrome Oxidase Activity Colorimetric Assay Kit	K287	100 assays
DNA Damage Quantification Colorimetric Kit	K253	25 assays
Enhanced Apoptotic DNA Ladder Detection Kit	K130	50 assays
Estradiol (human) ELISA Kit	K3829	100 assays
Estradiol (mouse) ELISA Kit	K3830	100 assays
Estradiol (rat) ELISA Kit	K3831	100 assays
Ethanol Colorimetric/Fluorometric Assay Kit	K620	100 assays
Fibronectin (human) ELISA Kit	K3631	100 assays
Fibronectin (mouse) ELISA Kit	K3632	100 assays
Fibronectin (rat) ELISA Kit	K3633	100 assays
Gamma Glutamyl Transferase (GGT) Activity Colorimetric Assay Kit	K784	100 assays
Gamma Glutamyl Transferase (GGT) Activity Fluorometric Assay Kit	K785	100 assays

Assay Kits

Product Name	Cat. No.	Size
Glutathione (GSH/GSSG/Total) Fluorometric Assay Kit	K264	100 assays
Glutathione Colorimetric Assay Kit	K261	100 assays
Glutathione Fluorometric Assay Kit	K251	100 assays
Glutathione peroxidase 1 (Human) ELISA Kit	K4225	100 assays
Glutathione Peroxidase Activity Colorimetric Assay Kit	K762	100 assays
Glutathione Reductase Activity Colorimetric Assay Kit	K761	200 assays
Granzyme B (human) ELISA Kit	K4279	100 assays
GST Colorimetric Activity Assay Kit	K263	100 assays
GST Fluorometric Activity Assay Kit	K260	100 assays
HAT (H4) Activity Fluorometric Assay Kit	K336	100 assays
HAT Activity Colorimetric Assay Kit	K332	100 assays
HAT Activity Fluorometric Assay Kit	K334	100 assays
HDAC Activity Colorimetric Assay Kit	K331	100 assays
HDAC Activity Fluorometric Assay Kit	K330	100 assays
HDAC Inhibitor Drug Screening Kit (Fluorometric)	K340	100 assays
HDAC1 Immunoprecipitation (IP) & Activity Assay Kit	K342	25 assays
HDAC2 Immunoprecipitation (IP) & Activity Assay Kit	K341	25 assays
HDAC3 Immunoprecipitation (IP) & Activity Assay Kit	K344	25 assays
HDAC3 Inhibitor Screening Kit (Fluorometric)	K363	100 assays
IFN- γ (human) ELISA Kit (For Lysates)	K4774	100 assays
IFN- γ (human) ELISA Kit	K4773	100 assays
IGF-1 (human) ELISA Kit	K4775	100 assays
IGF-1 sR (human) ELISA Kit	K4776	100 assays
Inosine Fluorometric Assay Kit	K712	100 assays
InSitu HDAC Activity Fluorometric Assay Kit	K339	100 assays
Irisin Competitive ELISA Kit	K4761	100 assays
KinaseSTARTM JNK Activity Assay Kit	K431	40 assays
L-Carnitine Colorimetric/Fluorometric Assay Kit	K642	100 assays
Lipid Peroxidation (MDA) Colorimetric/Fluorometric Assay Kit	K739	100 assays
MitoCapture™ Mitochondrial Apoptosis Detection Fluorometric Kit	K250	25 assays, 100 assays
Mitochondrial DNA Isolation Kit	K280	50 assays
Mitochondrial Protein IP Kit	K285	50 assays
Monoamine Oxidase A (MAO-A) Inhibitor Screening Kit (Fluorometric)	K796	100 assays
Monoamine Oxidase Activity (Total MAO/MAO-A/MAO-B) Fluorometric Assay Kit	K795	100 assays
Monoamine Oxidase B (MAO-B) Inhibitor Screening Kit (Fluorometric)	K797	100 assays
Myeloperoxidase (MPO) Colorimetric Activity Assay Kit	K744	100 assays
Myeloperoxidase (MPO) Fluorometric Activity Assay Kit	K745	100 assays
Neuregulin-1/NRG1-beta1 (human) ELISA Kit	K4711	100 assays
NFKB1 (Human) ELISA Kit	K4202	100 assays

Assay Kits

Product Name	Cat. No.	Size
NQO1 (human intracellular) ELISA Kit	K4926	100 assays
Nuclear/Cytosol Fractionation Kit	K266	25 assays, 100 assays
Peroxidase Activity Colorimetric/Fluorometric Assay Kit	K772	100 assays
Phospho-IkB-alpha (Ser32) ELISA Kit	K4252	100 assays
Phospho-NF-κB p65 (Ser536) ELISA Kit	K4251	100 assays
EZExtract™ Polyubiquitin Buffer Kit	K6570	3 components assays
Proteasome Activity Fluorometric Assay Kit	K245	100 assays
Quick Apoptotic DNA Ladder Detection Kit	K120	50 assays
VisionBlue™ Quick Cell Viability Fluorometric Assay Kit	K303	500 assays, 2500 assays
RBP4 (human) Competitive ELISA Kit	K4911	100 assays
RBP4 (human) ELISA Kit	K4912	100 assays
RBP4 (mouse/rat) ELISA Kit	K4913	100 assays
Senescence Detection Kit	K320	250 assays
SIRT1 Inhibitor/Activator Screening Kit (Fluorometric)	K325	100 assays
SIRT2 Inhibitor Screening Assay Kit (Fluorometric)	K322	100 assays
Sirtuin 1 (human intracellular) ELISA Kit	K4923	100 assays
Sirtuin 2 (human intracellular) ELISA Kit	K4924	100 assays
Sirtuin Activity Assay Kit (Fluorometric)	K324	100 assays
STAT3 (Human) ELISA Kit	K4201	100 assays
Superoxide Dismutase (SOD) Activity Assay Kit	K335	100 assays
TGF-beta1 (human) ELISA Kit	K4342	100 assays
TGF-beta1 (mouse) ELISA Kit	K4343	100 assays
TGF-beta1 (rat) ELISA Kit	K4344	100 assays
Thioredoxin Reductase Activity Colorimetric Assay Kit	K763	100 assays
TIMP-2 (Mouse) ELISA Kit	K4742	100 assays
TIMP-2 (Mouse) ELISA Kit	K4752	100 assays
Total Antioxidant Capacity (TAC) Colorimetric Assay Kit	K274	100 assays
Uric Acid Colorimetric/Fluorometric Assay Kit	K608	100 assays
Vitamin D3 (human) ELISA kit	K4806	100 assays
Xanthine Oxidase Activity Colorimetric/Fluorometric Assay Kit	K710	100 assays
Xanthine/Hypoxanthine Colorimetric/Fluorometric Assay Kit	K685	100 assays

Proteins & Enzymes

Product Name	Cat. No.	Size
Aldolase A, human recombinant	7359	100 µg
ApoJ/Clusterin, human recombinant	7584	10 µg, 50 µg, 1000 µg
Apolipoprotein AII, Human Plasma	7281	500 µg
Apolipoprotein AIV, Human Plasma	7282	50 µg
Apolipoprotein B, Human Plasma	7283	500 µg
Apolipoprotein E, Human Plasma	7284	50 µg
Human CellExp™ BACE1, human recombinant (Native)	7398	10 µg, 50 µg

Proteins & Enzymes

Product Name	Cat. No.	Size
Human CellExp™ BACE1, human recombinant	7404	10 µg, 50 µg
BDNF, human recombinant	4004	10 µg, 50 µg, 1 mg
Human CellExp™ Beta-NGF, Human Recombinant	6443	10 µg, 50 µg
BMP-3b/GDF-10, human recombinant	7303	100 µg
Cardiotrophin-1, human recombinant	4011	10 µg, 50 µg, 1 mg
Cardiotrophin-1, Murine Recombinant	7121	10 µg, 50 µg
Catalase, human recombinant	7362	100 µg
Human CellExp™ Cathepsin B, human recombinant	7408	10 µg
Human CellExp™ Cathepsin D, human recombinant	7409	10 µg
Human CellExp™ Cathepsin L1, human recombinant	7410	10 µg
CD68, human recombinant	7343	50 µg
CDNF, Human Recombinant	7127	10 µg, 50 µg
CHIP, human recombinant	4898	25 µg
c-Jun Fusion Protein, Recombinant	7001	100 µg (2 mg/ml)
Human CellExp™ Cystatin C, Human Recombinant	4878	10 µg, 50 µg
EGF Receptor, human recombinant New : EGF Receptor, human recombinant	7135	10 µg, 50 µg
EGF, human recombinant	4022	500 µg, 1 mg, 5 mg
Human CellExp™ EGF, human recombinant	7228	50 µg
EGF, murine recombinant	4023	500 µg, 1 mg, 5 mg
EGF, rat recombinant	4024	20 µg, 100 µg, 1 mg
Human CellExp™ EGFR/ErbB1, human recombinant	7396	10 µg
Human CellExp™ ErbB1/EGFR, mouse recombinant	7402	10 µg
Human CellExp™ ErbB2 / HER2 / CD340, human recombinant	7397	10 µg, 50 µg
Human CellExp™ ErbB4/HER4, human recombinant	7401	10 µg, 50 µg
ERK1, Active	7741	5 µg
FTO, human recombinant	7557	10 µg
FTO, mouse recombinant	7558	10 µg
GDNF, human recombinant	4097	10 µg, 50 µg, 1 mg
Glyoxalase II (Glx II), Human Recombinant	P1072	10 µg, 50 µg
Heat Shock Protein 20, human recombinant	4847	10 µg
Heat Shock Protein 22, human recombinant	4850	10 µg
Heat Shock Protein 27, human recombinant	4853	10 µg, 50 µg, 1 mg
Heat Shock Protein 65, mycobacterium recombinant	4856	10 µg
Heat Shock Protein 70, human recombinant	4859	25 µg, 100 µg, 1 mg
Heat Shock Protein 90, human recombinant	4858	25 µg, 100 µg, 1 mg
Human recombinant linear di-ubiquitin	6424	100 µg
Human recombinant linear penta-ubiquitin	6427	100 µg
Human recombinant linear tetra-ubiquitin	6426	100 µg
Human recombinant linear tri-ubiquitin	6425	100 µg
Human Recombinant Neuron-Specific Enolase (NSE)	6362	100 µg
Human Recombinant Thioredoxin	6305	100 µg

Proteins & Enzymes

Product Name	Cat. No.	Size
Human recombinant UBE2D3	6430	3 nmol
Human recombinant UBE2K	6432	3 nmol
Human recombinant UBE2L3	6431	3 nmol
Human recombinant Ubiquitin Activating Enzyme E1	6429	50 µg
Human Recombinant UCHL1	6306	100 µg
Human CellExp™ LAMP1/CD107a, human recombinant	7381	10 µg, 50 µg
Myeloperoxidase, Human Neutrophil	4744	100 µg
NT-3, human recombinant	4306	10 µg, 50 µg, 1 mg
NT-3, murine recombinant	4307	10 µg, 50 µg, 1 mg
ProBDNF, human recombinant	4273	10 µg, 50 µg, 1 mg
ProNGF, human recombinant	4274	10 µg, 50 µg, 1 mg
Protein Disulfide Isomerase (PDI), human recombinant	7601	100 µg, 1 mg, 5 mg
RAGE, human recombinant	4271	10 µg, 50 µg, 1 mg
RANTES, human recombinant	4321	20 µg, 1 mg
RANTES, murine recombinant	4322	20 µg, 1 mg
RANTES, rat recombinant	4323	20 µg, 100 µg, 1 mg
Human CellExp™ RBP4, rat recombinant	7566	10 µg, 50 µg
Secretase-beta, human recombinant	7604	20 µg, 100 µg, 1 mg
Human CellExp™ SERPIN A3, human recombinant	7419	10 µg
Human CellExp™ SERPIN F1, human recombinant	7418	10 µg, 50 µg
SIRT1 (193-747 aa) (GST-tagged), Human recombinant	7264	25 units, 50 units
Sirtuin 2, human recombinant	7632	20 µg, 100 µg, 1 mg
Superoxide Dismutase, human recombinant	4802	20 µg, 100 µg, 1 mg
TIMP-2, human fibroblasts	7788	5 µg
Ubiquitin, human recombinant	4841	100 µg, 1 mg
Ubiquitin-Biotinylated (all lysines unmodified)	7551	50 µg
Ubiquitin-Fluorescein-labeled (FLR-Ub)	7552	50 µg
Ubiquitin-TAMRA-labeled (TMR-Ub)	7553	50 µg
UCHL1, human recombinant (GST-tag)	4855	50 µg
UIM-UBA Fusion Protein	6571	250 µl

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