

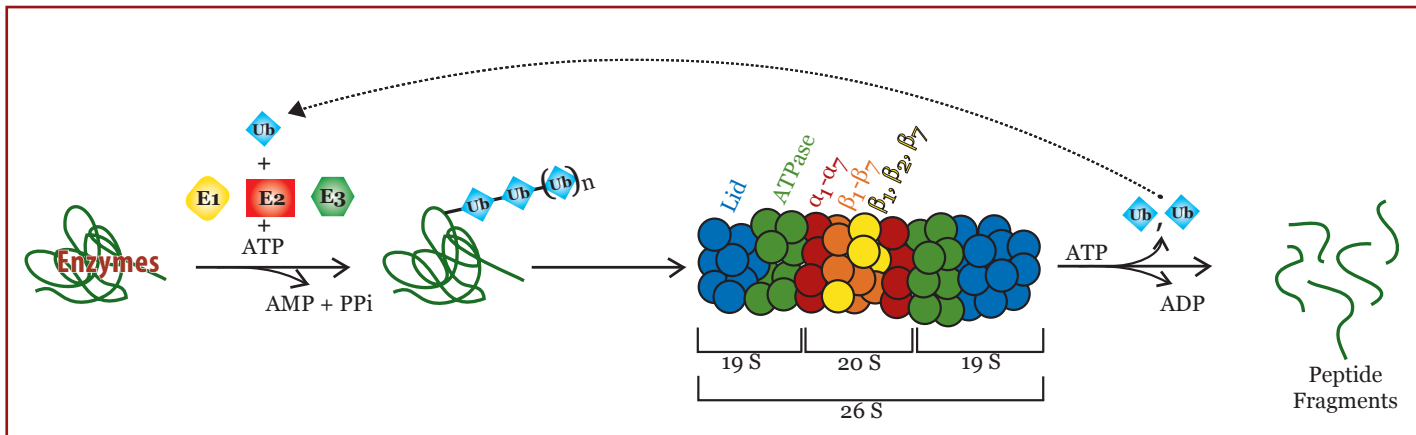
## Ubiquitin Proteasome Pathway Products

The ubiquitin-proteasome pathway (UPP) is the primary cytosolic proteolytic machinery for the selective degradation of various forms of damaged proteins. Proteins tagged by ubiquitination (e.g., attachment of ubiquitin to the target molecule) are degraded in the proteasome, a complex intracellular structure composed of multiple enzymatic complexes, presiding over protein catabolism. The end products of its activity are, in fact, small peptides suitable for antigen presentation or amino acid residues that can be recycled within the cell.

The ubiquitin-proteasome system (UPS) has been increasingly recognized as a major system involved in several biological processes such as cell proliferation, adaptation to stress and cell death. The critical role that the Ubiquitin Proteasome Pathway (UPP) plays in cellular signaling coupled with increasing validation of the therapeutic potential of targets in this pathway is accelerating interest in this field among both academic and pharmaceutical researchers.

BioVision is pleased to offer a variety of reagents to the researchers doing research in the Ubiquitin Proteasome Pathway.

### Ubiquitin Proteasome Pathway



#### Assay Kits

Name	Cat. #
Proteasome Activity Assay Kit	K245-100

#### Antibodies

Name	Cat. #
E6AP Antibody	3744-100
USP7 Antibody	3747-100

#### Enzymes

Name	Cat. #
Isopeptidase T (Long form), human recombinant	4861-25
Isopeptidase T (Short form), human recombinant	4862-25
Ubiquitin, human recombinant	4841-100, 1000
Ubch1, human recombinant (GST-tag)	4846-100
Ubch2, human recombinant (His-tag)	4848-100
Ubch3, human recombinant (His-tag)	4849-100
Ubch5a, human recombinant (His-tag)	4851-100
Ubch5b, human recombinant (His-tag)	4852-100
Ubch5c, human recombinant (His-tag)	4854-100
Uchl1, human recombinant (GST-tag)	4855-50

## Inhibitors

### DUBs (Deubiquitinating Enzymes) and related Inhibitors

Name	Cat. #
LDN-57444	2016-5, 25
USP14 Inhibitor, IU1	1845-5, 25
WP-1130	2014-5, 25
Spautin-1	2037-5, 25

### Proteasome Inhibitors

Name	Cat. #
Aclacinomycin A	2032-5, 25
Calpain Inhibitor I, ALLN	1834-5, 25
Calpain Inhibitor II, ALLM	1835-5, 25
Celastrol	1940-5, 25
Clasto-Lactacystin $\beta$ -lactone	1710-100
(-)-Epigallocatechin Gallate	1841-50
Lactacystin	1709-200
MG-115	1831-1, 5
MG-132	1703-5
EZSolution™ MG-132	1791-5
PS-341 (Bortezomib)	1846-1, 5

### Ubiquitin Ligase (E3) Inhibitors

Name	Cat. #
NSC 146109 hydrochloride	1907-5
NSC 66811	2009-5
NSC-687852	2021-5, 25
( $\pm$ )-Thalidomide	2020-10, 50

### Ubiquitin Proteasome Pathway Inhibitors

Name	Cat. #
Aclacinomycin A	2032-5, 25
Calpain Inhibitor I, ALLN	1834-5, 25
Calpain Inhibitor II, ALLM	1835-5, 25
Celastrol	1940-5, 25
Clasto-Lactacystin $\beta$ -lactone	1710-100
DBeQ	1858-5, 25
(-)-Epigallocatechin gallate	1841-50
Lactacystin (Synthetic)	1709-200
LDN-57444	2016-5, 25
MDBN	2033-10, 50
MG-115	1831-1, 5
MG-132	1703-5
NSC-687852	2021-5, 25
PS-341	1846-1, 5
PYR41	1925-5, 25
USP14 Inhibitor, IU1	1845-5, 25
( $\pm$ )-Thalidomide	2020-10, 50
WP-1130	2014-5, 25

## Substrates

Name	Cat. #
Nedd-AMC	4843-25
Proteasome Substrate, Fluorogenic	1832-1
Proteasome Substrate, Fluorogenic	1832-1,5
Suc-Leu-Leu-Val-Tyr-AMC	1833-5
Ubiquitin-AMC	4842-25