

Recombinant Human VEGI/TL1

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|---------------------|--|-------|
| CATALOG #: | 4966-10 | 10 µg |
| | 4966-50 | 50 µg |
| | 4966-1000 | 1 mg |
| LOT #: | _____ | |
| SOURCE: | <i>E. coli</i> | |
| PURITY: | >95% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg of VEGI. | |
| MOL. WEIGHT: | 21.8 kDa | |
| FORM: | Lyophilized from a solution containing 0.5 M NaCl, 50 mM Tris-HCl, pH 7.5. | |

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1–1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or –20°C for future use.

STORAGE CONDITIONS:

The lyophilized VEGI is best-stored desiccated below 0°C. Reconstituted VEGI should be stored in working aliquots at -20°C. For long-term storage, it is recommended to add a carrier protein (0.1% HAS or BSA). Please avoid freeze-thaw cycles.

DESCRIPTION:

VEGI (Vascular Endothelial Growth Inhibitor) is a member of the tumor necrosis factor family. VEGI is predominantly an endothelial cell-specific gene, and recombinant VEGI is a potent inhibitor of endothelial cell proliferation, angiogenesis and tumor growth. VEGI exerts two activities of endothelial cells: early G1 arrest of G0/G1-cells responding to growth stimuli, and programmed cell death. VEGI is also able to regulate the expression of several important genes involved in angiogenesis. Human VEGF is a 21.8 kDa homodimeric protein consisting of 192 amino acid polypeptide chains. (Gene name: TNFSF15)

BIOLOGICAL ACTIVITY:

The ED₅₀ as determined by the dose-dependent inhibition of the proliferation of HUVEC is <5 µg/ml.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC & HAT Fluorometric & Colorimetric Assays & Drug Discovery Kits
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Metabolism

- Sugar Assay Kits (Many)
- Sugar Metabolites Assay Kits
- Cholesterol & Obesity Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit