

Recombinant Murine VEGF₁₆₅

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|---------------------|--|-------|
| CATALOG #: | 4364-10 | 10 µg |
| | 4364-50 | 50 µg |
| | 4364-1000 | 1 mg |
| LOT #: | _____ | |
| SOURCE: | <i>E. coli</i> | |
| PURITY: | >98% by SDS-PAGE analyses Endotoxin level is <0.1 ng per µg of VEGF | |
| MOL. WEIGHT: | 39.0 kDa | |
| FORMULATION: | Lyophilized with no additives | |

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. The 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 VEGF is best-stored desiccated below 0°C. Reconstituted VEGF should be stored in working aliquots at -20°C.

DESCRIPTION:

VEGF (Vascular Endothelial Growth Factor) is a homodimeric protein secreted by a variety of vascularized tissues. VEGF stimulates endothelial cell growth, angiogenesis, and capillary permeability. Murine VEGF is a 39 kDa homodimeric protein consisting of two 165 amino acid polypeptide chains.

BIOLOGICAL ACTIVITY:

Determined by the mitogenic activity on human umbilical vein endothelial cells and bovine aortic endothelial cells. Mitogenic activity was obtained for stimulation of ³H-thymidine incorporation and cell proliferation in a concentration range of 1.0 to 5.0 ng/ml.

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

RELATED PRODUCTS:

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- 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

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

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
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