

Recombinant Murine VEGF₁₆₅

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.

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