

# Recombinant Mouse Vascular Endothelial Growth Factor A

Cat. No. Vegfa-357M Lot. No. (See product label)

## SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	Sf21 Cells
<b>Description</b>	Vascular endothelial growth factor (VEGF), a potent proangiogenic cytokine is the key signal used by oxygen-hungry cells to promote growth of blood vessels. It binds to specialized receptors on the surfaces of endothelial cells and directs them to build new vessels. VEGF are crucial regulators of vascular development during embryogenesis (vasculogenesis) and blood-vessel formation in the adult (angiogenesis). Abnormal VEGF function is associated with inflammatory diseases including atherosclerosis, and hyperthyroidism.
<b>Molecular Weight</b>	The predicted molecular weight of Recombinant Mouse VEGF is Mr 42 kDa.
<b>State Of Matter</b>	Lyophilized.
<b>Formulation</b>	The protein was 0.2 µm filtered and lyophilized from PBS.
<b>Purity</b>	>97% by SDS Page and analyzed by silver stain.
<b>Endotoxin</b>	<0.1 ng per 1 g as determined by the LAL method.
<b>Storage And Stability</b>	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated

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Freeze Thaw Cycles.

## GENE INFORMATION

<b>Gene Name</b>	Vegfa vascular endothelial growth factor A [ Mus musculus ]
<b>Synonyms</b>	Vegfa; vascular endothelial growth factor A; Vpf; Vegf; Vegf-a; Vegf120; Vegf164; Vegf188; VPF; VEGF-A; MGC70609; MVCD1; VEGF; Vascular permeability factor; vascular endothelial growth factor; vascular endothelial growth factor isoform VEGF165
<b>Gene ID</b>	22339
<b>mRNA Refseq</b>	NM_001025250
<b>Protein Refseq</b>	NP_001020421
<b>UniProt ID</b>	Q00731
<b>Chromosome Location</b>	17 24.2cM
<b>Pathway</b>	Bladder cancer; Cytokine-cytokine receptor interaction; Focal adhesion; Pancreatic cancer; Pathways in cancer; Renal cell carcinoma; VEGF signaling pathway; mTOR signaling pathway
<b>Function</b>	growth factor activity; heparin binding

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