

Active Recombinant Mouse Vegfa Protein (Ala205-Arg368), C-His tagged, Animal-free, Carrier-free

Cat. No. Vegfa-92M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Vegfa Protein (Ala205-Arg368) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ala205-Arg368
Description	Vascular Endothelial Growth Factors 165 (VEGF165) is a potent growth and angiogenic cytokine which belongs to the VEGF family, includes VEGF-A, VEGF-B, VEGF-C, VEGF-D, VEGF-E, and PlGF. VEGF165 is an abundant glycosylated cytokine composed of two identical 165 amino acid chains. VEGF165 plays an important role in embryonic vasculogenesis, angiogenesis and neurogenesis.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in HUVEC cells. The ED50 for this effect is < 3 ng/mL.
Molecular Mass	The protein has a calculated MW of 20.22 kDa. The protein migrates as 18 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Vegfa vascular endothelial growth factor A [Mus musculus (house mouse)]
Official Symbol	Vegfa
Synonyms	Vegfa; vascular endothelial growth factor A; Vpf; Vegf; L-VEGF; vascular endothelial growth factor A, long form; vascular permeability factor
Gene ID	22339
mRNA Refseq	NM_009505
Protein Refseq	NP_033531

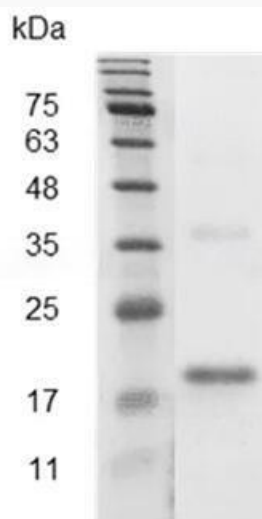
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UniProt ID F8WH10

SDS-PAGE analysis
of recombinant
mouse VEGF165.



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