

Active Recombinant Mouse VEGF120 Protein, His & Avi-tagged, Biotinylated

Cat. No. VEGFA-377M Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Mouse VEGF120 Protein, His & Avi-tagged, Biotinylated is expressed from human 293 cells (HEK293). It contains AA Ala 27 - Arg 146 (Accession # Q00731-3). Predicted N-terminus: His. This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag. The protein has a calculated MW of 17.3 kDa. The protein migrates as 22-24 kDa and 24-26 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.

Species

Mouse

Source

HEK293

ProteinLength

Ala 27 - Arg 146

Form

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Bio-activity

Immobilized VEGFR1/R2 at 2 µg/mL (100 µL/well) can bind Recombinant Mouse VEGF120 Protein, His & Avi-tagged, Biotinylated with a linear range of 0.06-2 ng/mL (QC tested).

Immobilized Avastin at 5 µg/mL (100 µL/well) can bind Recombinant Mouse VEGF120 Protein, His & Avi-tagged, Biotinylated with a linear range of 0.125-2 µg/mL (Routinely tested).

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Molecular Mass	17.3 kDa
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	Vegfa vascular endothelial growth factor A [Mus musculus]
Official Symbol	VEGFA
Synonyms	VEGFA; vascular endothelial growth factor A; vascular permeability factor; Vpf; Vegf; Vegf120; Vegf164; Vegf188;
Gene ID	22339

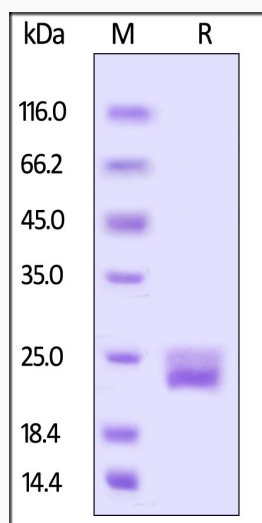
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mRNA Refseq [NM_001025250](#)

Protein Refseq [NP_001020421](#)



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