

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

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

## SPECIFICATION

<b>Product Overview</b>	<p>Recombinant Mouse VEGF120 Protein, His &amp; 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.</p>
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Ala 27 - Arg 146
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	<p>Immobilized VEGFR1/R2 at 2 µg/mL (100 µL/well) can bind Recombinant Mouse VEGF120 Protein, His &amp; Avi-tagged, Biotinylated with a linear range of 0.06-2 ng/mL (QC tested).</p> <p>Immobilized Avastin at 5 µg/mL (100 µL/well) can bind Recombinant Mouse VEGF120 Protein, His &amp; Avi-tagged, Biotinylated with a linear range of 0.125-2 µg/mL (Routinely tested).</p>

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<b>Molecular Mass</b>	17.3 kDa
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Notes</b>	Please avoid repeated freeze-thaw cycles.
<b>Stability</b>	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.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">Vegfa vascular endothelial growth factor A [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">VEGFA</a>
<b>Synonyms</b>	VEGFA; vascular endothelial growth factor A; vascular permeability factor; Vpf; Vegf; Vegf120; Vegf164; Vegf188;
<b>Gene ID</b>	<a href="#">22339</a>

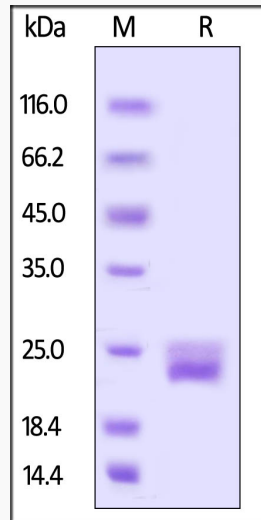
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mRNA Refseq [NM\\_001025250](#)

Protein Refseq [NP\\_001020421](#)



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