

Active GMP Recombinant Mouse VEGFA protein

Cat. No. VEGFA-134MG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse VEGFA protein(NP_001273986.1)(170 aa), fused with His Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines.
Species	Mouse
Source	HEK293
ProteinLength	DNA sequence encoding Mouse VEGF165(NP_001273986.1) was expressed with His tag at the C-terminal.
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	Stimulate the proliferation of human umbilical vein endothelial cells (HUVEC) in a dose-dependent manner, with a concentration range of 1.0~5.0 ng/ml.
Molecular Mass	Recombinant Mouse VEGFA contains 170 aa. It has a predicted MW of 20.1 kDa.
Endotoxin	<=0.01EU/ug
Purity	>=95% by SDS-PAGE and HPLC
Storage	The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Vegfa vascular endothelial growth factor A [Mus musculus]
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Official Symbol	VEGFA
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Synonyms	V; Veg; Vpf; Vegf; VEGF12; VEGF16; VEGF18
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Gene ID	22339
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mRNA Refseq	NM_001025250
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Protein Refseq	NP_001020421
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UniProt ID	Q00731
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