

## Active Recombinant Mouse Vegfa

Cat. No. Vegfa-172M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Vegfa (Accession # AAA40547) Ala27-Arg190 was produced in <i>Spodoptera frugiperda</i> , Sf 21 (baculovirus)-derived.
<b>Species</b>	Mouse
<b>Source</b>	Sf21 Cells
<b>ProteinLength</b>	27-190 a.a.
<b>Predicted N Terminal</b>	Ala27
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
<b>Bio-activity</b>	Measured in a cell proliferation assay using HUVEC human umbilical vein endothelial cells. Conn, G. et al. (1990) Proc. Natl. Acad. Sci. USA 87:1323. The ED50 for this effect is typically 0.8-4 ng/mL.
<b>Molecular Mass</b>	Recombinant Mouse Vegfa has a calculated MW of 19.4 kDa (monomer). In SDS-PAGE migrates as 42 kDa, non-reducing conditions.
<b>Purity</b>	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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**Reconstitution** Reconstitute at 50 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## 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](#)

**mRNA Refseq** [NM\\_001025250](#)

**Protein Refseq** [NP\\_001020421](#)

**MIM**

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