Active Recombinant Mouse Vegfa

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

SPECIFICATION

Product Overview	Recombinant Mouse Vegfa (Accession # AAA40547) Ala27-Arg190 was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Mouse
Source	Sf21 Cells
ProteinLength	27-190 a.a.
Predicted N Terminal	Ala27
Form	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein.
Bio-activity	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.
Molecular Mass	Recombinant Mouse Vegfa has a calculated MW of 19.4 kDa (monomer). In SDS-PAGE migrates as 42 kDa, non-reducing conditions.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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Reconstitution	Reconstitute at 50 μg/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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