

Active Recombinant Rat Vegfa

Cat. No. Vegfa-383R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Vegfa (Accession # AAL07526.1) Ala27-Arg190 was produced in Mouse myeloma cell line, NS0-derived.
Species	Rat
Source	Mammalian 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 0.75-3.75 ng/mL.
Molecular Mass	Recombinant Rat Vegfa has a calculated MW of 19.2 kDa (monomer). In SDS-PAGE migrates as 25 kDa, reducing conditions.
Purity	>95%, 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 (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution

Reconstitute at 100 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 [Rattus norvegicus]

Official Symbol Vegfa

Synonyms VEGFA; vascular endothelial growth factor A; VPF; VEGF-A; vascular permeability factor; Vegf; VEGF164;

Gene ID 83785

mRNA Refseq NM_001110333

Protein Refseq NP_001103803

MIM

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