

Active Recombinant Human VEGFA

Cat. No. VEGFA-703H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGFA (Accession # NP_001165097) Ala27-Arg191 was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.
Species	Human
Source	Sf21 Cells
ProteinLength	27-191 a.a.
Predicted N Terminal	Ala27
Form	Lyophilized from a 0.2 µ filtered solution in Acetonitrile and TFA 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 1-6 ng/mL.
Molecular Mass	Recombinant Human VEGFA has a calculated MW of 19.2 kDa (monomer). In SDS-PAGE migrates as 20-22 kDa, reducing conditions39-42 kDa, non-reducing conditions.
Purity	>97%, by SDS-PAGE with silver staining.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin. Alternatively, reconstitute at 500 µg/mL in sterile 4 mM HCl containing 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name VEGFA vascular endothelial growth factor A [Homo sapiens]

Official Symbol VEGFA

Synonyms VEGFA; vascular endothelial growth factor A; vascular endothelial growth factor , VEGF; VEGF A; VPF; vascular permeability factor; VEGF; MVCD1; MGC70609;

Gene ID 7422

mRNA Refseq NM_001025366

Protein Refseq NP_001020537

MIM

UniProt ID P15692

Chromosome Location 6p12

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