

Active Recombinant Human VEGFA

Cat. No. VEGFA-648H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGFA (Accession # NP_001020541) Ala207-Arg318 was produced in E. coli-derived.
Species	Human
Source	E.coli
ProteinLength	207-318 a.a.
Predicted N Terminal	Ala207
Form	Lyophilized from a 0.2 µm 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 0.75-3.75 ng/mL.
Molecular Mass	Recombinant Human VEGFA has a calculated MW of 14.1 kDa (monomer).
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 (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 [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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