

Active Recombinant Human VEGFA protein

Cat. No. VEGFA-709H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human VEGFA protein(P15692-4) (Met1-Arg191) was expressed in Insect Cells. Human and Cynomolgus VEGF165 sequences are identical.
Species	Human
Source	Insect Cells
ProteinLength	1-191 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 3-5 ng/ml.
Molecular Mass	The recombinant human VEGF consists of 165 amino acids after removal of the signal peptide and predicts a molecular mass of 19.2 kDa. Due to different glycosylation, the apparent molecular mass of rhVEGF165 is approximately 20 and 22 kDa in SDS-PAGE under reducing conditions, corresponding to the monomer.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

protein Refseq-Weblink

http://www.ncbi.nlm.nih.gov/protein/NP_001020537.2

Unit ID

P15692

Unit ID-Weblink

<https://www.uniprot.org/uniprotkb/P15692>

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

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SDS-PAGE



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