

Active Recombinant Human VEGFD protein, His-tagged

Cat. No. VEGFD-8113H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human VEGF-D, His Tag is expressed from human 293 cells (HEK293). It contains AA Phe 93 - Ser 201 (Accession # AAH27948).
Species	Human
Source	HEK293
ProteinLength	Phe 93-Ser 201
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1.Measured in a cell proliferation assay using human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is 0.3-1.6 µg/mL. 2.Captured VEGFR3/FLT4 Protein, Human on proA Chip can bind VEGF-D with an affinity constant of 39.03 nM as determined in a SPR assay (Biacore T200).
Molecular Mass	The recombinant mature form of human VEGFD consists of 120 amino acids and has a predicted molecular mass of 13.6 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 20-22 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted 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.

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