

Active Recombinant Human Flt1 protein, His-tagged

Cat. No. Flt1-0826H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human Flt1 protein(P17948-1)(Met 1-Asn 756) was expressed in Human Cells, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	1-756 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit the VEGF-dependent proliferation of human umbilical vein endothelial cells (HUVEC) (Conn, G. et al.,1990, Proc. Natl. Acad. Sci. USA 87:1323.). The ED50 for this effect is typically 10-40 ng/mL in the presence of 10 ng/mL human VEGF165.
Molecular Mass	The secreted recombinant human VEGFR1 consists of 741 amino acids with the predicted molecular mass of 83.7 kDa. As a result of glycosylation, rhVEGFR1 migrates as an approximately 110-120 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE

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Storage Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to 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.

GENE INFORMATION

Gene Name FLT1 fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) [Homo sapiens]

Official Symbol Flt1

Synonyms FLT1; fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor); FLT; vascular endothelial growth factor receptor 1; VEGFR1; FLT-1; VEGFR-1; fms-like tyrosine kinase 1; tyrosine-protein kinase FRT; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor;

Gene ID 2321

mRNA Refseq NM_001159920

Protein Refseq NP_001153392

MIM 165070

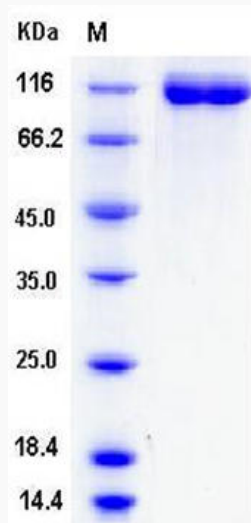
UniProt ID P17948

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SDS-PAGE



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