

Active Recombinant Human FLT1 protein, Fc-tagged

Cat. No. FLT1-190H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FLT1 protein(NP_001153503.1)(Met1-Ile328), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Ile328
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized human VEGFR1-Fc at 10µg/mL (100µL/well) can bind biotinylated human VEGF165, the EC50 of biotinylated human VEGF165 is 10-40 ng/mL. 2. Measured by its ability to inhibit VEGF-dependent proliferation of human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 20-100 ng/mL in the presence of 10 ng/mL rhVEGF165.
Molecular Mass	The recombinant human FLT1 consists 543 amino acids and predicts a molecular mass of 61.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

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Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. 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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