

Active Recombinant Human FLT1 protein, His-tagged

Cat. No. FLT1-530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FLT1 protein(NP_002010.2) (Met1-Ile328) was expressed in Human Cells with a polyhistidine tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	1-328 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). The ED50 for this effect is typically 10-40 ng/mL in the presence of 10 ng/mL human VEGF165.
Molecular Mass	The recombinant human FLT1 consists 313 amino acids and predicts a molecular mass of 35.6 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
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.

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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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