

Active Recombinant Human FLT1 protein, His-tagged

Cat. No. FLT1-3809H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FLT1 protein(NP_002010.2)(Met1-Ile328), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-328 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
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 recombinant human FLT1 consists 313 amino acids and predicts a molecular mass of 35.6 kDa.
Proteinlength	Met1-Ile328
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 90 % 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.

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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