

## Active Recombinant Human FLT1 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FLT1 protein(NP_002010.2)(Met1-Ile328), fused with His tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-328 a.a.
<b>Form</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	The recombinant human FLT1 consists 313 amino acids and predicts a molecular mass of 35.6 kDa.
<b>Proteinlength</b>	Met1-Ile328
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.

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<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Storage</b>	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.
<b>Reconstitution</b>	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

<b>Gene Name</b>	<a href="#">FLT1 fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">FLT1</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">2321</a>
<b>mRNA Refseq</b>	<a href="#">NM_001159920</a>
<b>Protein Refseq</b>	<a href="#">NP_001153392</a>
<b>MIM</b>	<a href="#">165070</a>
<b>UniProt ID</b>	<a href="#">P17948</a>

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