

Active Recombinant Human FLT1 Protein, GST-tagged

Cat. No. FLT1-4367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FLT1 (NM_002019, 784 a.a. - 1338 a.a.) partial recombinant protein with GST tag expressed in Sf9 cells.
Species	Human
Source	Insect Cells
Protein Length	784-1338 a.a.
Description	This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia
Form	Liquid
Bio-activity	151 pmol/μg x min

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Molecular Mass	89.357 kDa
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	0.160 µg/µL
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0 (5 mM DTT, 20% glycerol)

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

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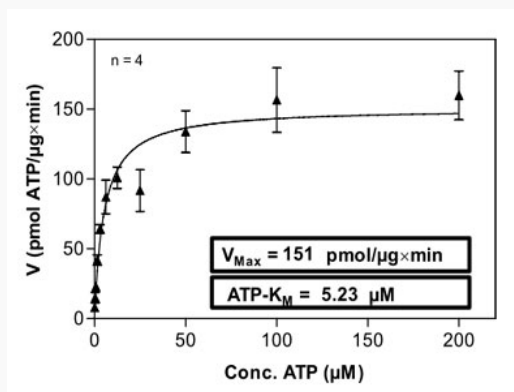
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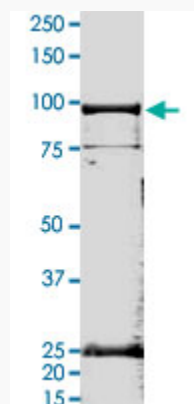
UniProt ID

P17948

Result of activity analysis



Quality Control Testing



2 μg/lane SDS-PAGE Stained with Coomassie Blue

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