

## Active Recombinant Human FLT1 Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Human FLT1 (NM_002019, 784 a.a. - 1338 a.a.) partial recombinant protein with GST tag expressed in Sf9 cells.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Protein Length</b>	784-1338 a.a.
<b>Description</b>	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
<b>Form</b>	Liquid
<b>Bio-activity</b>	151 pmol/μg x min

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## 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>

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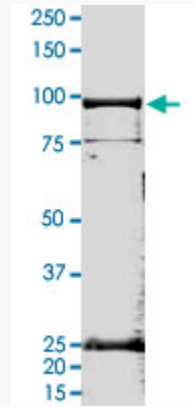
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UniProt ID

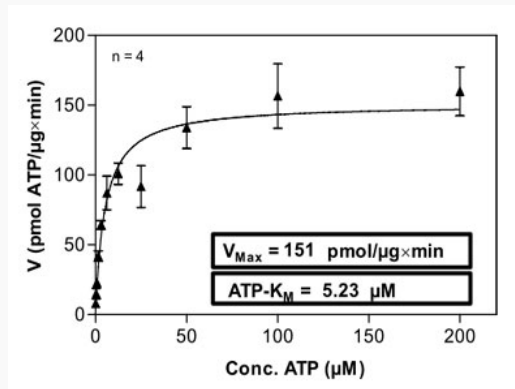
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Quality Control  
Testing



2  $\mu$ g/lane SDS-PAGE Stained with Coomassie Blue

Result of activity  
analysis



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