

Recombinant Human FLT1 Protein

Cat. No. Sflt1-0109H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human Soluble fms-like Tyrosine Kinase-1 (Sflt-1) Protein is produced by Mammalian expression system and the target gene encoding Met1-Glu758 is expressed. The Sflt-1 protein has a calculated molecular mass of 85.5 kDa and migrates as an 110-120 kDa band in SDS-PAGE under reducing conditions due to glycosylation.

Species Human

Source HEK293

ProteinLength 1-758 aa

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.

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Molecular Mass	85.5 kDa
Application	Immunogen, calibrator, standard or other applications
Purity	≥90% as determined by reducing SDS-PAGE
Storage	Short term (up to 7 days) store at 2–8 centigrade. Long term, store at 20 centigrade. Avoid multiple freeze/thaw cycles.
Storage Buffer	Supplied as a 0.2 µm filtered solution of PBS, pH7.4
Shipping	The product is shipped on ice pack. Upon receipt, store it immediately at -20 centigrade or lower.

GENE INFORMATION

Gene Name	FLT1 fms related receptor tyrosine kinase 1 [Homo sapiens (human)]
Official Symbol	FLT1
Synonyms	FLT1; fms related receptor tyrosine kinase 1; FLT; FLT-1; VEGFR1; VEGFR-1; vascular endothelial growth factor receptor 1 fms related tyrosine kinase 1 fms-like tyrosine kinase 1 fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) tyrosine-protein kinase FRT tyrosine-protein kinase receptor FLT vascular permeability factor receptor EC 2.7.10.1
Gene ID	2321
mRNA Refseq	NM_002019
Protein Refseq	NP_002010

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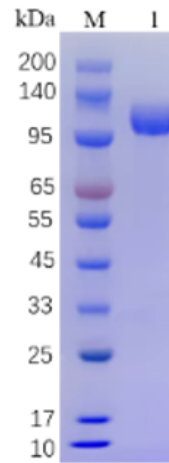
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MIM 165070

UniProt ID P17948

SDS-PAGE



Recombinant Human Sflt-1 protein on SDS-PAGE under reducing (R) condition.
The purity of the protein is greater than 90%.

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