

Recombinant Human Fms-Related Tyrosine Kinase 4, GST-His

Cat. No. FLT4-720H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human VEGF-R3, C-terminal fragment, amino acids N799-R1298, activated, N-terminal GSTHIS6 fusion protein with a Thrombin cleavage site, was expressed in Sf9 insect cells. MW = 85.565 Da.
Species	Human
Source	Sf9 Cells
Description	This gene encodes a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymphangiogenesis and maintenance of the lymphatic endothelium. Mutations in this gene cause hereditary lymphedema type IA.
Purification	GST-Affinity Chromatography.
Product Identity	VEGF-R3 was confirmed as VEGF-R3 by mass spectroscopy LCESI-MS/MS.
Activation	in vitro autoactivation.
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol.
Concentration	0.151 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).

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Specific Activity 58 pmol/μg×min.

Storage -80°C. Avoid repeated freeze-thaw cycles!

GENE INFORMATION

Gene Name FLT4 fms-related tyrosine kinase 4 [Homo sapiens]

Synonyms FLT4; fms-related tyrosine kinase 4; PCL; FLT41; LMPH1A; VEGFR3; soluble VEGFR3 variant 1; soluble VEGFR3 variant 2; soluble VEGFR3 variant 3; vascular endothelial growth factor receptor 3; EC 2.7.10.1; 3` partial; Tyrosine-protein kinase receptor FLT4; VEGFR-3

Gene ID 2324

mRNA Refseq NM_002020

Protein Refseq NP_002011

MIM 136352

UniProt ID P35916

Chromosome Location 5q34-q35

Pathway Cytokine-cytokine receptor interaction; Focal adhesion; Signaling by VEGF

Function ATP binding; growth factor binding; nucleotide binding; receptor activity; transferase activity; vascular endothelial growth factor receptor activity

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