

Active Recombinant Human FLT4, Fc-tagged, Biotinylated

Cat. No. FLT4-617H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human FLT4-Fc fusion is expressed as a 525 amino acid protein consisting of Tyr25 - Thr323 region of FLT4 and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	25-323 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Binds VEGF-C and VEGF-D and inhibits VEGF-dependent proliferation of human umbilical vein endothelial cells (HUVECs)
Molecular Mass	Calculated molecular mass (kDa): 59.1; Estimated by SDS-PAGE under reducing condition (kDa): 70-80
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the lal">
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before

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opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

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

Official Symbol FLT4

Synonyms

FLT4; fms-related tyrosine kinase 4; vascular endothelial growth factor receptor 3; PCL; VEGFR3; FLT-4; VEGFR-3; soluble VEGFR3 variant 1; soluble VEGFR3 variant 2; soluble VEGFR3 variant 3; fms-like tyrosine kinase 4; tyrosine-protein kinase receptor FLT4; FLT41; LMPH1A;

Gene ID 2324

mRNA Refseq NM_002020

Protein Refseq NP_002011

MIM 136352

UniProt ID P35916

Chromosome Location 5q34-q35

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Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by VEGF, organism-specific biosystem; Signaling events mediated by VEGFR1 and VEGFR2, organism-specific biosystem;

Function

ATP binding; growth factor binding; nucleotide binding; protein binding; protein phosphatase binding; receptor activity; transmembrane receptor protein tyrosine kinase activity; vascular endothelial growth factor-activated receptor activity; vascular endothelial growth factor-activated receptor activity;

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