

Recombinant Human FLT4, His-tagged

Cat. No. FLT4-31718TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Recombinant Soluble VEGF Receptor 3 fragment fused with a carboxy-terminal 6X histidine-tag produced in baculovirus and expressed in Insect cells; 774 amino acids, 240 kDa.
Species	Human
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.
Conjugation	HIS
Tissue specificity	Placenta, lung, heart, and kidney, does not seem to be expressed in pancreas and brain.
Form	Lyophilised: Reconstitute in sterile water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 1X PBS
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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**Sequence
Similarities**

Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily. Contains 7 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 protein kinase domain.

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;

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, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Signal Transduction, organism-specific biosystem;

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Function

ATP binding; growth factor binding; nucleotide binding; protein binding; protein phosphatase binding;

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