Recombinant Human FLT4

Cat. No. FLT4-31719TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, produced in a Baculovirus expression system, corresponding to amino acids 798-1298 of Human VEGF Receptor 3, with a N terminal proprietary tag, 82 kDa,.
Species	Human
Source	Insect Cells
ProteinLength	798-1298 a.a.
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.
Tissue specificity	Placenta, lung, heart, and kidney, does not seem to be expressed in pancreas and brain.
Biological activity	Specific Activity: 17 pmol/min/μg.Assay conditions: VEGFR3 was incubated with a substrate (Tyr peptide 4 for 1h at RT in 1Xkinase buffer supplemented with ATP. Developer solution was added to reaction and reaction was stopped after 1h of incubation at RT.
Form	Liquid

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Purity	by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 138mM Sodium chloride, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
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

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

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