

Active Recombinant Human FLT4 Protein, GST-tagged

Cat. No. FLT4-4378H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human PDK4 (NP_002603.1, 1 a.a. - 411 a.a.) full-length recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Species	Human
Source	Insect 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. [provided by RefSeq]
Form	Liquid
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip™3000. Substrate: CSKtide. ATP: 100 μM.
Molecular Mass	83 kDa
Purity	59 % by SDS-PAGE/CBB staining

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Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)

GENE INFORMATION

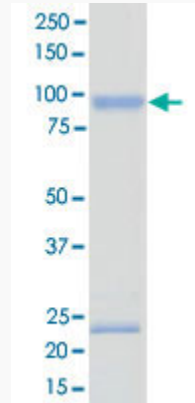
Gene Name	FLT4 fms-related tyrosine kinase 4 [Homo sapiens]
Official Symbol	FLT4
Synonyms	FLT4; fms-related tyrosine kinase 4; vascular endothelial growth factor receptor 3; PCL; VEGFR3; FLT-4; VEGFR-3; soluble VEGFR3 variant 1; soluble VEGFR3 variant 2; soluble VEGFR3 variant 3; fms-like tyrosine kinase 4; tyrosine-protein kinase receptor FLT4; FLT41; LMPH1A;
Gene ID	2324
mRNA Refseq	NM_002020
Protein Refseq	NP_002011
MIM	136352
UniProt ID	P35916

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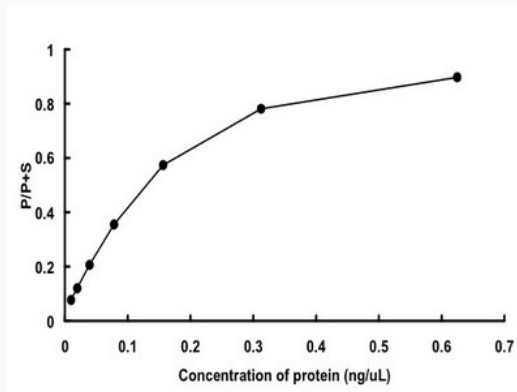
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**Quality Control
Testing**



Loading 1 μ g protein in SDS-PAGE

**Result of activity
analysis**



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