

Bioactive

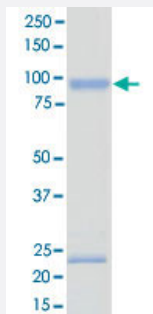
Full-Length

FLT4 (Human) Recombinant Protein

Catalog # P5714

Size 5 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human PDK4 (NP_002603.1, 1 a.a. - 411 a.a.) full-length recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Host	insect
Theoretical MW (kDa)	83
Form	Liquid
Preparation Method	Baculovirus infected insect cell (Sf21) expression system
Purification	Glutathione sepharose chromatography
Purity	59 % by SDS-PAGE/CBB staining.

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.
Quality Control Testing	Loading 1 ug protein in SDS-PAGE
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — FLT4

Entrez GeneID	2324
Protein Accession#	NP_002011.1
Gene Name	FLT4
Gene Alias	FLT41, LMPH1A, PCL, VEGFR3
Gene Description	fms-related tyrosine kinase 4
Omim ID	136352 153100 602089
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	soluble VEGFR3 variant 1 soluble VEGFR3 variant 2 soluble VEGFR3 variant 3 vascular endothelial growth factor receptor 3

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)

Disease

- [Breast cancer](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Chylothorax](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphangiectasis](#)
- [Lymphedema](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)