



[Go to Product page](#)

Datasheet for ABIN7534009
FLT4 Protein (Fc Tag,His tag)

Overview

Quantity:	100 µg
Target:	FLT4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FLT4 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human VEGFR-3/FLT-4 Protein
Sequence:	YSMTPTPLNI TEESHVIDTG DSLSISCRGQ HPLEWAWPGA QEAPATGDKD SEDTGVVRDC EGTDARPYCK VLLLHEVHAN DTGSYVCYK YIKARIEGTT AASSYVFVRD FEQPFINKPD TLLVNRKDAM WVPCLVSIPG LNVTLRSQSS VLWPDGQEVV WDDRRGMLVS TPLLHDALYL QCETTWGDQD FLSNPFLVHI TGNELYDIQL LPRKSLELLV GEKLVNCTV WAEFNSGVTF DWDYPGKQAE RGKWWPERRS QQTHTELSSI LTIHNVSQHD LGSYVCKANN GIQRFRESTE VIVHENPFIS VEWLKGPIL ATAGDELVKL PVKLAAYPPP EFQWYKDGKA LSGRHSPHAL VLKEVTEAST GTYTLALWNS AAGLRRNISL ELVVNVPPQI HEKEASSPSI YSRHSRQALT CTAYGVPLPL SIQWHWRPWT PCKMFAQRSL RRRQQDLMP QCRDWRAVTT QDAVNPIESL DTWTEFVEGK NKTVSKLVIQ NANVSAMYKC VVSNKVGQDE RLIYFYVTTI PDGFTIESKP SEELLEGQPV LLSCQADSYK YEHLRWYRLN LSTLHDAHGN PLLLDCKNVH LFATPLAASL EEVAPGARHA TLSLSIPRVA PEHEGHYVCE VQDRRSHDKH CHKKYLSVQA LEAPRLTQNL TDLLVNVSDS LEMQCLVAGA HAPSIVWYKD ERLLEEKSGV DLADSNQKLS IQRVREEDAG

Product Details

RYLCSVCNAK GCVNSSASVA VEGSEDKGSM EI

Specificity:	Tyr25-Ile776
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human VEGF-C at 0.5 µg/mL (100 µL/well) can bind Recombinant Human VEGFR3 with a linear range of 3.92-15.70 ng/mL.

Target Details

Target:	FLT4
Alternative Name:	VEGFR-3/FLT-4 (FLT4 Products)
Background:	<p>Description: The protein is 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.</p> <p>Name: FLT4,FLT-4,FLT41,LMPH1A,PCL,VEGFR-3,VEGFR3</p>
Gene ID:	2324
UniProt:	P35916
Pathways:	RTK Signaling , Signaling Events mediated by VEGFR1 and VEGFR2 , VEGF Signaling

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Handling

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.