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Datasheet for ABIN7536529
FLT4 Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Human VEGFR-3/FLT-4 Protein
Sequence:	YSMTPTPLNI TEESHVIDTG DSLSISCRGQ HPLEWAWPGA QEAPATGDKD SEDTGVVRDC EGTDARPYCK VLLLHEVHAN DTGSYVCYYK YIKARIEGTT AASSYVFVRD FEQPFINKPD TLLVNRKDAM WVPCLVSIPG LNVTLRSQSS VLWPDGQEVV WDDRRGMLVS TPLLHDALYL QCETTWGDQD FLSNPFLVHI TGNELYDIQL LPRKSLELLV GEKLVLNCTV WAEFNQSGVTF DWDYPGKQAE RGKWWPERRS QQTHTELSSI LTIHNSQHD LGSYVCKANN GIQRFRESTE VIVHENPFIS VEWLKGPIL ATAGDELVKL PVKLAAYPPP EFQWYKDGKA LSGRHSPHAL VLKEVTEAST GTYTLALWNS AAGLRRNISL ELVNVPPQI 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 RYLCSVCNAK GCVNSSASVA VEGSEDKGSM EI

Product Details

Specificity:	Tyr25-Ile776
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.01EU/µg

Target Details

Target:	FLT4
Alternative Name:	VEGFR-3/FLT-4 (FLT4 Products)
Background:	<p>Description: Vascular endothelial growth factor receptor 3 (VEGFR3), also known as FLT-4, together with the other two members VEGFR1 (FLT-1) and VEGFR2 (KDR/Flk-1) are receptors for vascular endothelial growth factors (VEGF) and belong to the class III subfamily of receptor tyrosine kinases (RTKs). The VEGFR3 protein is expressed mainly on lymphatic vessels but it is also up-regulated in tumor angiogenesis. Mutations in VEGFR3 have been identified in patients with primary lymphoedema. The VEGF-C/VEGF-D/VEGFR3 signaling pathway may provide a target for antilymphangiogenic therapy in prostate cancer, breast cancer, gastric cancer, lung cancer, non-small cell lung cancer (NSCLC), and so on.</p> <p>Name: PCL, CHTD7, FLT-4, FLT41, LMPH1A, LMPHM1, VEGFR3, VEGFR-3</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.
Concentration:	0.61 mg/mL

Handling

Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.