

Datasheet for ABIN7317761 **FLT4 Protein (Fc Tag)**



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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.

Product Details

Purpose:	Recombinant Human VEGFR3/FLT4 Protein (Fc Tag)(Active)
Sequence:	Met 1-Ile 776
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Ile 776) of human VEGFR3 (NP_002011.2) was expressed with the fused Fc region of human IgG1 at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant human VEGFR3 at 5 µg/ml (100 µl/well) can bind recombinant human VEGF-D at a linear range of 62.5-2000 ng/ml.2. Immobilized recombinant human VEGF-C at 10 µg/ml (100 µl/well) can bind recombinant human VEGFR3 at a linear range of 0.64-80 ng/ml.3. Scatchard analysis showed the affinity constant (Kd) of recombinant human VEGF-C bound to recombinant human VEGFR3 was 1.4 nM.

Target Details

Target:	FLT4
Alternative Name:	VEGFR3/FLT4 (FLT4 Products)
Background:	Background: 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. Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy Synonym: FLT-4;FLT-41;FLT41;LMPH1A;PCL;VEGF Receptor 3;VEGFR-3;VEGFR3
Molecular Weight:	111 kDa
NCBI Accession:	NP_002011
Pathways:	RTK Signaling , Signaling Events mediated by VEGFR1 and VEGFR2 , VEGF Signaling

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.