

Datasheet for ABIN5526635
FLT4 Protein (AA 25-776) (Fc Tag)



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3 Images

Overview

Quantity:	100 µg
Target:	FLT4
Protein Characteristics:	AA 25-776
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

Sequence:	AA 25-776
Characteristics:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 111.2 kDa. As a result of glycosylation, the protein migrates as 140-160 kDa under reducing (R) condition, and 280-320 kDa under non-reducing (NR) condition (SDS-PAGE).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FLT4
Alternative Name:	VEGF R3 (FLT4 Products)

Target Details

Background: Vascular endothelial growth factor receptor 3 (VEGF R3), 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). VEGF R3 mediates lymphangiogenesis in response to VEGF-C and VEGF-D. VEGF R3 is widely expressed in the early embryo but becomes restricted to lymphatic endothelia at later stages of development. It is likely that VEGF R3 may be important for lymph angiogenesis.

Molecular Weight: 111.2 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

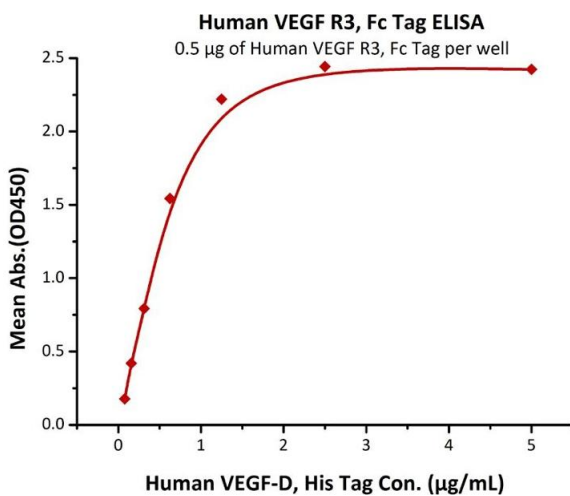
Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

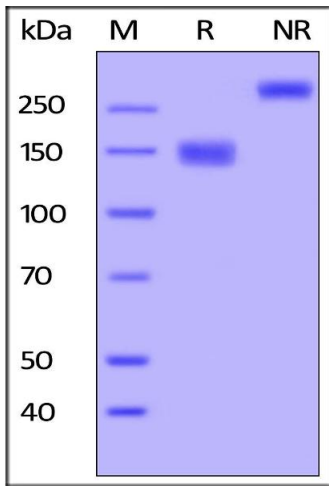
Storage: -20 °C

Images



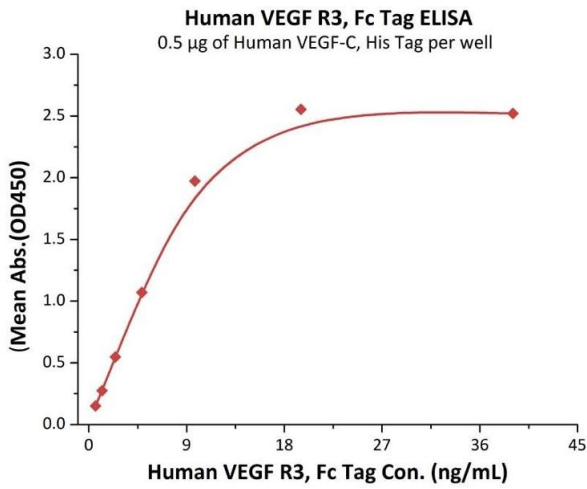
ELISA

Image 1. Immobilized Human VEGF R3, Fc Tag (ABIN5526635, ABIN5526636) at 5 µg/mL (100 µL/well) can bind Human VEGF-D, His Tag (ABIN2181913) with a linear range of 0.08-0.6 µg/mL (Routinely tested).



SDS-PAGE

Image 2. Human VEGF R3, Fc Tag on under reducing (R) and ing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .



ELISA

Image 3. Immobilized Human VEGF-C, His Tag (ABIN2444233,ABIN2181912) at 5 µg/mL (100 µL/well) can bind Human VEGF R3, Fc Tag (ABIN5526635,ABIN5526636) with a linear range of 0.6-10 ng/mL (QC tested).