

Datasheet for ABIN7274655

FLT3 Protein (AA 28-541) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FLT3
Protein Characteristics:	AA 28-541
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FLT3 protein is labelled with Fc Tag.

Product Details

Purpose:	Cynomolgus FLT3/Flk-2 Protein
Sequence:	Gln28-Ser541
Characteristics:	Recombinant Cynomolgus FLT3/Flk-2 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln28-Ser541.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human FLT3 Ligand, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Cynomolgus FLT3, hFc Tag with the EC50 of 18ng/ml determined by ELISA. See testing image for detail.

Target Details

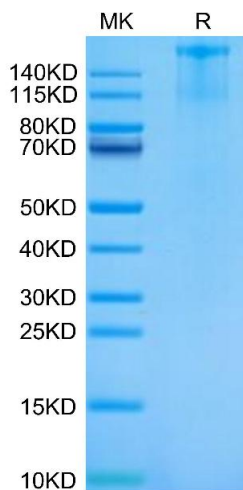
Target:	FLT3
Alternative Name:	FLT3 (FLT3 Products)
Background:	<p>The Flt-3 (fms-like tyrosine kinase) receptor, also named Flk-2 (fetal liver kinase) and Stk-1 (stem cell tyrosine kinase) is a member of the class III subfamily of receptor tyrosine kinases that also includes KIT, the receptor for SCF and FMS, the receptor for M-CSF. Tyrosine-protein kinase that acts as cell-surface receptor for the cytokine FLT3LG and regulates differentiation, proliferation and survival of hematopoietic progenitor cells and of dendritic cells. Promotes phosphorylation of SHC1 and AKT1, and activation of the downstream effector MTOR. Promotes activation of RAS signaling and phosphorylation of downstream kinases, including MAPK1/ERK2 and/or MAPK3/ERK1.</p>
Molecular Weight:	84.58 kDa. Due to glycosylation, the protein migrates to 160-180 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5VQ48
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
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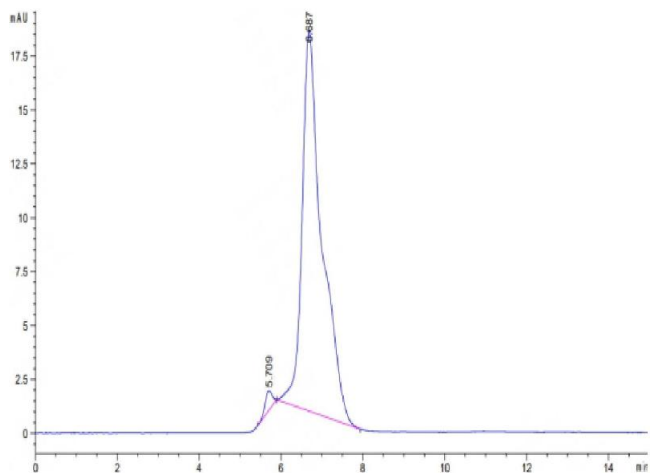
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

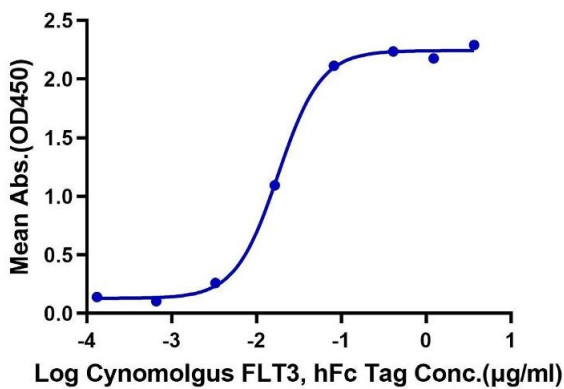
Image 1. Cynomolgus FLT3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus FLT3 is greater than 95 % as determined by SEC-HPLC.

Cynomolgus FLT3, hFc Tag ELISA
0.05µg Human FLT3 Ligand, His Tag Per Well



ELISA

Image 3. Immobilized Human FLT3 Ligand, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Cynomolgus FLT3, hFc Tag with the EC50 of 18 ng/mL determined by ELISA.