

Datasheet for ABIN7274656

FLT3LG Protein (AA 27-185) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FLT3LG
Protein Characteristics:	AA 27-185
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FLT3LG protein is labelled with His tag.

Product Details

Purpose:	Human FLT3 Ligand Protein
Sequence:	Thr27-Pro185
Characteristics:	Recombinant Human FLT3 Ligand Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr27-Pro185.
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 1µg/ml (100µl/Well) on the plate. Dose response curve for Human FLT3, hFc Tag with the EC50 of 30ng/ml determined by ELISA. See testing image for detail.

Target Details

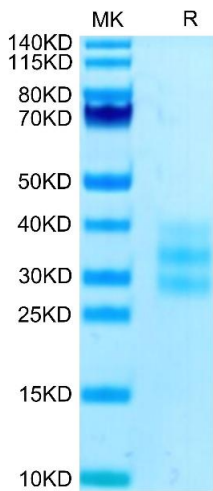
Target:	FLT3LG
Alternative Name:	Flt3 Ligand (FLT3LG Products)
Background:	Flt-3 Ligand, also known as FL, is an alpha -helical cytokine that promotes the differentiation of multiple hematopoietic cell lineages. Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins.
Molecular Weight:	19.1 kDa. Due to glycosylation, the protein migrates to 28-35 kDa based on Tris-Bis PAGE result.
Pathways:	RTK Signaling

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

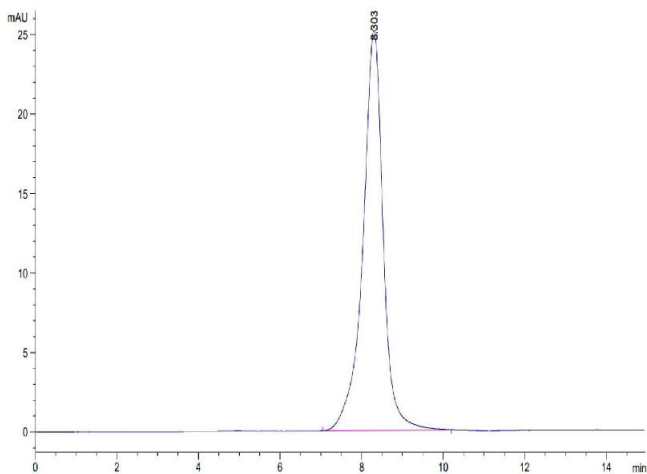
Handling

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

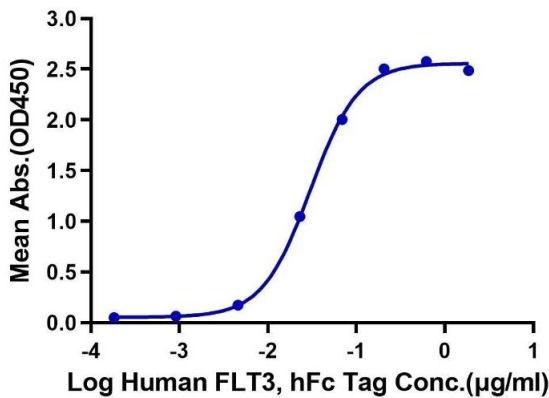
Image 1. Human FLT3 Ligand on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

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

Human FLT3 Ligand, His Tag ELISA
0.1µg Human FLT3 Ligand, His Tag Per Well



ELISA

Image 3. Immobilized Human FLT3 Ligand, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human FLT3, hFc Tag with the EC50 of 30 ng/mL determined by ELISA.