

Datasheet for ABIN7274658

**FLT3LG Protein (AA 27-185) (Fc Tag)****4** 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 Fc Tag.

## Product Details

Purpose:	Human FLT3 Ligand Protein
Sequence:	Thr27-Pro185
Characteristics:	Recombinant Human FLT3 Ligand Protein is expressed from HEK293 with hFc at the C-Terminus. It contains Thr27-Pro185.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human FLT3, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human FLT3 Ligand, hFc Tag with the EC50 of 18.7ng/ml determined by ELISA. The affinity constant of 35.07 nM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

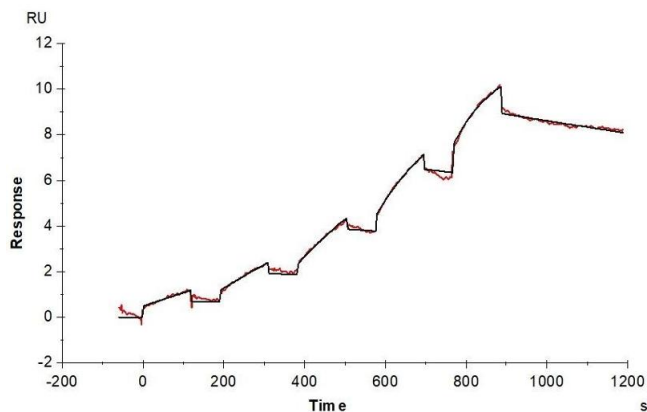
Target:	FLT3LG
Alternative Name:	FLT3 Ligand ( <a href="#">FLT3LG Products</a> )
Background:	Flt-3 Ligand, also known as FL, is an alpha -helical cytokine that promotes the differentiation of multiple hematopoietic cell lineages. Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins.
Molecular Weight:	44.8 kDa. Due to glycosylation, the protein migrates to 90-118 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

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

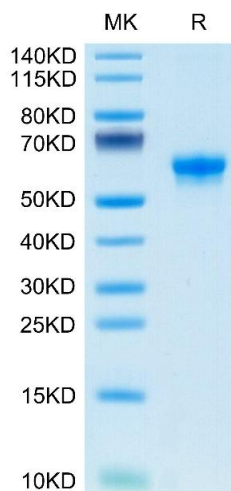
## Handling

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 and 0.01 % tween 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



Surface Plasmon Resonance

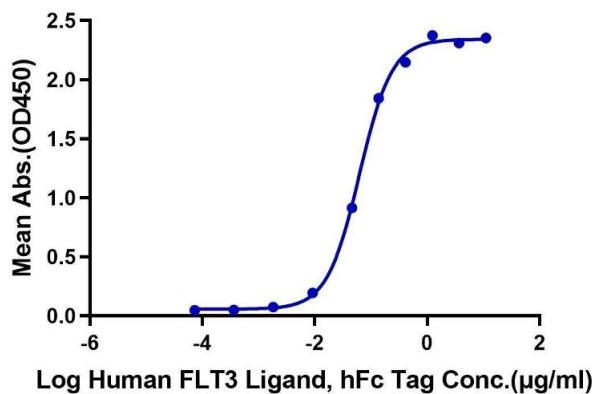
**Image 1.** Human FLT3 Ligand, hFc Tag immobilized on CM5 Chip can bind Mouse FLT3, hFc Tag with an affinity constant of 35.07 nM as determined in SPR assay (Biacore T200).



SDS-PAGE

**Image 2.** Human FLT3 Ligand on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

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



ELISA

**Image 3.** Immobilized Human FLT3, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human FLT3 Ligand, hFc Tag with the EC<sub>50</sub> of 0.06 µg/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274658.