

# Recombinant Human FLT3 Protein (Asn27-Ser543), C-hFc and 6xHis-tagged

**Cat. No.** FLT3-167H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant Human FLT3 Protein (Asn27-Ser543) with C-hFc and 6xHis tag was expressed in HEK293.

### Species

Human

### Source

HEK293

### ProteinLength

Asn27-Ser543

### Description

Flt-3(Receptor-type tyrosine-protein kinase FLT3) is also known as FLK-2(Fetal liver kinase-2), STK-1(Stem cell tyrosine kinase 1), CD135. FLT3 is a cytokine receptor which belongs to the receptor tyrosine kinase class III. 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. Mutations that cause constitutive kinase activity promote cell proliferation and resistance to apoptosis via the activation of multiple signaling pathways.

### Form

Lyophilized

### Molecular Mass

125-130 kDa

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Storage</b>	Store at -80 centigrade for 12 months (Avoid repeated freezing and thawing)
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 14 % trehalose is added as protectants before lyophilization.

## GENE INFORMATION

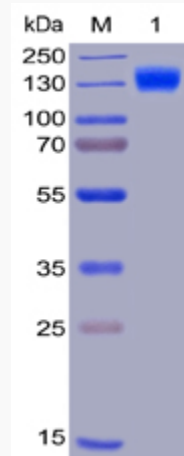
<b>Gene Name</b>	FLT3 fms-related tyrosine kinase 3 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FLT3
<b>Synonyms</b>	FLT3; fms-related tyrosine kinase 3; receptor-type tyrosine-protein kinase FLT3; CD135; FLK2; STK1; STK-1; CD135 antigen; FL cytokine receptor; fetal liver kinase 2; fms-like tyrosine kinase 3; stem cell tyrosine kinase 1; growth factor receptor tyrosine kinase type III; FLK-2;
<b>Gene ID</b>	2322
<b>mRNA Refseq</b>	NM_004119
<b>Protein Refseq</b>	NP_004110
<b>MIM</b>	136351
<b>UniProt ID</b>	P36888

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

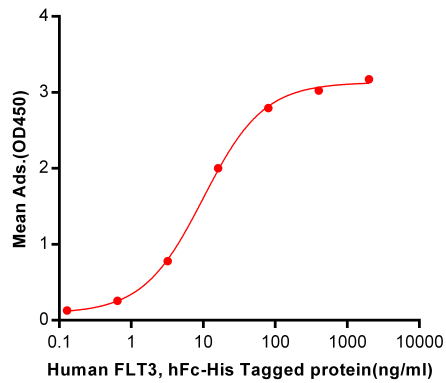
**SDS-PAGE**



**Activity**

**Human FLT3, hFc-His Tagged protein ELISA**

0.2 µg of Human FLT3LG, mFc-His Tagged protein per well



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA