

# Human FLT-3/CD135/FLK-2 (His Tag) recombinant protein



Catalog Number: 502628

## General Information

### Gene Name Synonym

FL cytokine receptor; Fetal liver kinase-2; Fms-like tyrosine kinase 3; Stem cell tyrosine kinase 1

### Protein Construction

A DNA sequence encoding the extracellular domain of human FLT3 (NP\_004110.2) (Met 1-Asn 541) was expressed, with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind biotinylated human FLT3L-His (Cat:500686) in a functional ELISA.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Asn 27

## Molecular Mass

The recombinant human FLT3 consists of 526 amino acids and has a predicted molecular mass of 59.7 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 85-95 kDa due to glycosylation.

## Formulation

Lyophilized from sterile PBS, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

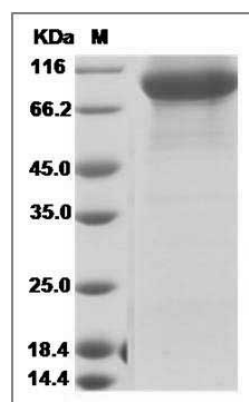
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## SDS-PAGE



Human FLT-3 / CD135 / FLK-2 Protein (His Tag)  
SDS-PAGE