

Product datasheet for **TP723930**

FLT3 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Human FLT3 Protein, hFc-His Tag
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	FLT3[Asn27-Ser543]+hFc[Glu99-Ala330]+6×His tag
Tag:	C-Human Fc and 6×His
Predicted MW:	125-130 kDa
Purity:	> 95%
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization
Reconstitution Method:	Reconstitute with deionized water
Preparation:	Affinity purification
Applications:	ELISA
Storage:	Store the lyophilized protein at -20°C. After reconstitution, store the protein at -80°C for 12 months. Avoid repeated freezing and thawing.
Stability:	12 months from date of despatch
Locus ID:	2322
UniProt ID:	P36888



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Summary:

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.

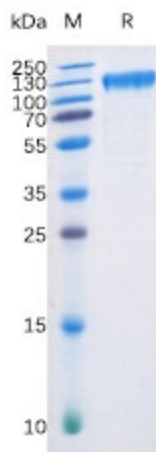
Product images:


Figure 1. Human FLT3, hFc-His Tag on SDS-PAGE under reducing condition.

Human FLT3, hFc-His Tagged protein ELISA

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

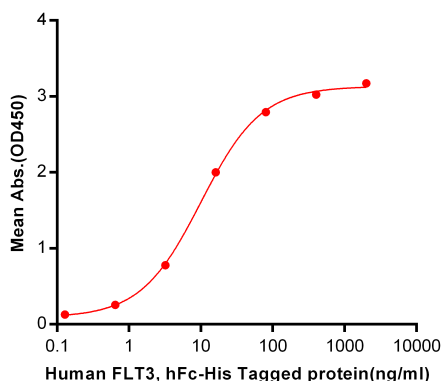


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human FLT3LG, mFc-His tagged protein ([TP723956]) can bind Human FLT3, hFc-His tagged protein (TP723930) in a linear range of 0.128-10.02 ng/ml.