

Biotinylated Recombinant Human FLT-3/FLK-2/CD135 Protein

Catalog No.: RP00459BLQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2322	P36888-1

Tags

C-His&Avi

Synonyms

CD135; FLK2; STK-1; FLT-3

Background

The Flt-3 (fms-like tyrosine kinase) receptor, also named Flk-2 (fetal liver kinase) and Stk-1(stem cell tyrosine kinase) is a member of the class III subfamily of receptor tyrosine kinases that also includes KIT, the receptor for SCF and FMS, the receptor for M-CSF. 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.

Basic Information

Description

Biotinylated Recombinant Human FLT3/Flk-2 Protein is produced by CHO cells expression system. The target protein is expressed with sequence (Asn27-Asn541) of Human FLT3/Flk-2 (Accession #P36888-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

Storage

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Product Information

Source	Purification
CHO cells	> 95% by SDS-PAGE > 95% by HPLC

Endotoxin

< 1 EU/ μg of the protein by LAL method

Formulation

Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

Reconstitution

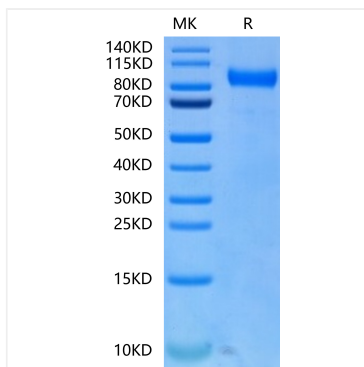
Contact

 | 400-999-6126

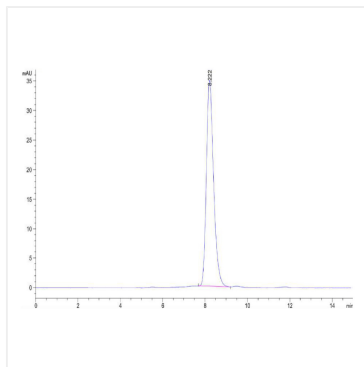
 | cn.market@abclonal.com.cn

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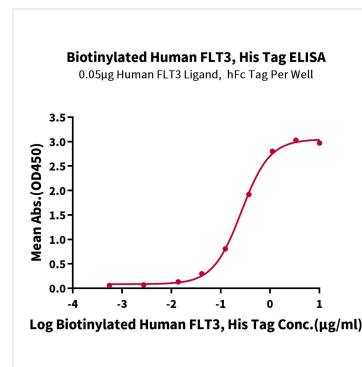
Validation Data



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



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



Immobilized Human FLT3 Ligand, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human FLT3, His Tag with the EC_{50} of 0.26 µg/mL determined by ELISA.