

Recombinant Human FLT3 protein, His-Avi-tagged

Cat. No. FLT3-107H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human FLT3 Protein is expressed from mammalian with a His and Avi Tag at the C-terminal. It contains Asn 27 - Asn 541.

Species Human

Source HEK293

ProteinLength It contains Asn 27 - Asn 541.

Description 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.

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

Molecular Mass The protein has a predicted MW of 61.2 kDa. Due to glycosylation, the protein migrates to 75-100kDa based on Bis-Tris PAGE result.

Endotoxin Less than 0.2 EU per ug by the LAL method.

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Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

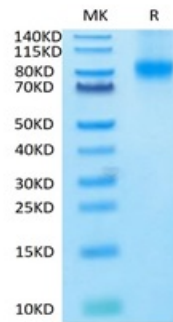
Gene Name	FLT3 fms-related tyrosine kinase 3 [Homo sapiens]
Official Symbol	FLT3
Synonyms	CD135 antigen; CD135; EC 2. 7. 10; fetal liver kinase 2; FL cytokine receptor; FLK2; Flk-2; FLT3 receptor tyrosine kinase; Flt3; Flt-3; Fms-like tyrosine kinase 3; fms-related tyrosine kinase 3; growth factor receptor tyrosine kinase type III; Stem cell tyrosine kinase 1; STK-1; STK1EC 2. 7. 10. 1; Tyrosine-protein kinase receptor FLT3
Gene ID	2322
mRNA Refseq	NM_004119
Protein Refseq	NP_004110
MIM	136351
UniProt ID	P36888

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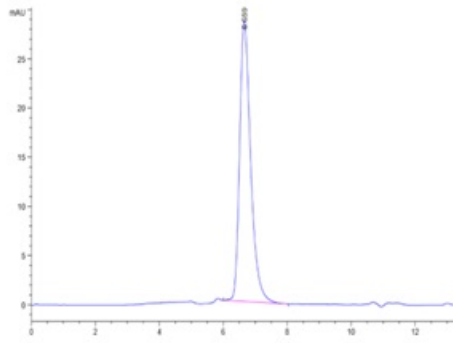
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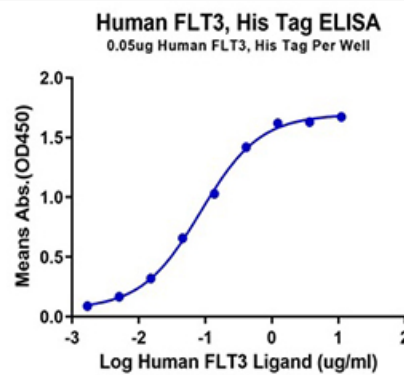
Tris-Bis PAGE



HPLC data



ELISA data



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