

Active Recombinant Human FLT3 Protein(T227M), His-tagged

Cat. No. FLT3-4136H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FLT3 Protein(P36888-1, with natural variant Thr 227 Met) (Met1-Asn541) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-541 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Immobilized Recombinant Human Flt3 Ligand Protein at 10 µg/mL (100 µL/well) can bind Recombinant Human FLT-3 / CD135 / FLK-2 Protein (His Tag), the EC50 is 80-250 ng/mL.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	≥ 95 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid 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 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;

Gene ID [2322](#)

mRNA Refseq [NM_004119](#)

Protein Refseq [NP_004110](#)

MIM [136351](#)

UniProt ID [P36888](#)

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