

## Active Recombinant Human FLT3 protein, His-Avi-tagged, Biotinylated

**Cat. No.** FLT3-1455H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human FLT3 protein(Asn27-Ser543), fused with His and Avi tag, was expressed in HEK293.                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 27-543 a.a.                                                                                                                                                                                                                                |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4.                                                                                                                                                                                  |
| <b>Bio-activity</b>     | Immobilized Human Flt-3 Ligand, His Tag at 1 µg/mL (100 µL/well) can bind Biotinylated Human Flt-3, His,Avitag with a linear range of 0.039-1.25 µg/mL.                                                                                    |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 62.1 kDa. The protein migrates as 80-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Asn27-Ser543                                                                                                                                                                                                                               |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                 |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.                                                                                                                                                                             |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | 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.                                                                                                       |
| <b>Conjugation</b>    | Biotin                                                                                                                                                                                                                                                                              |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FLT3 fms-related tyrosine kinase 3 [ Homo sapiens ]                                                                                                                                                                                                                                    |
| <b>Official Symbol</b> | FLT3                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 2322                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_004119                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_004110                                                                                                                                                                                                                                                                              |
| <b>MIM</b>             | 136351                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>      | P36888                                                                                                                                                                                                                                                                                 |

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