

Active Recombinant Human FLT3 protein

Cat. No. FLT3-185H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FLT3 was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	155 amino acids
Description	FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity & a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.
Predicted N Terminal	The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Gln-Asp-Cys-Ser.
Form	The protein was lyophilized with no additives.
Bio-activity	The ED50, calculated by the dose-dependent stimulation of the proliferation of human MUTZ-2 cells is < 3.0 ng/ml.
Molecular Mass	19 kDa
Purity	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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Storage

Lyophilized Flt3-Ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution Flt3-L should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Reconstitution

It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18MΩ-cm H₂O not less than 100g/ml, which can then be further diluted to other aqueous solutions.

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](#)

Chromosome

13q12

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