

Active GMP Recombinant Human FLT3LG Protein

Cat. No. FLT3LG-105HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FLT3LG, Thr27-Pro185, was produced in Sf 9 (baculovirus)-derived in an animal component free process under cGMP guidelines.
Species	Human
Source	Insect Cells
ProteinLength	27-185 a.a.
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured in a cell proliferation assay using BaF3 mouse pro-B cells transfected with mouse Flt-3. The ED50 for this effect is 0.2-1 ng/mL. The specific activity of recombinant human Flt-3 Ligand is approximately 1.2×10^3 U/µg, which is calibrated against recombinant human Flt-3 Ligand WHO Standard (NIBSC code: 96/532).
Molecular Mass	Predicted Molecular Mass: 17.5 kDa SDS-PAGE: 17-30 kDa, reducing conditions
N-terminal Sequence Analysis	Thr-Gln-Asp-(Cys)-Ser-Phe-Gln-His-Ser-Pro
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.

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Purity	>97%, by SDS-PAGE with silver staining, under reducing
Storage	Avoid repeated freeze-thaw cycles. 12 months, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100-200 µg/mL in PBS.
Quality Statement	Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name	FLT3LG fms-related tyrosine kinase 3 ligand [Homo sapiens]
Official Symbol	FLT3LG
Synonyms	FLT3LG; fms-related tyrosine kinase 3 ligand; flt3 ligand; FL; FLT3L;
Gene ID	2323
mRNA Refseq	NM_001204502
Protein Refseq	NP_001191431

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MIM	600007
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UniProt ID	P49771
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