

Active Recombinant Human FLT3LG

Cat. No. FLT3LG-1235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human FLT3LG(P49771)(27-181 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	27-181 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.0.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human AML5 cells is less than 1.0 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg.
Molecular Mass	Approximately 17.6 kDa, a single non-glycosylated polypeptide chain containing 155 amino acids.
AASequence	TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSTLP PPWSPRPLEA TAPTA
Endotoxin	Less than 1 EU/µg of rHuFlt3-Ligand as determined by LAL method.
Purity	> 97 % by SDS-PAGE and HPLC analyses.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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

MIM 600007

UniProt ID P49771

SDS-PAGE

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