

Recombinant Active Human FLT3LG Protein, His-tagged(C-ter)

Cat. No. FLT3LG-98H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human FLT3LG Protein with His tag (C-ter) was expressed in E. coli.
Species	Human
Source	E.coli
Description	Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103 (ITGAE; MIM 604682)-positive tissue counterparts (summary by Sathaliyawala et al., 2010 [PubMed 20933441]).[supplied by OMIM, Jan 2011]
Form	Powder
Bio-activity	Determined by its ability to induce proliferation in BaF3 mouse pro-B cells transfected with mouse Flt-3. The ED50 for this effect is < 0.8 ng/mL. The specific activity of recombinant human Flt-3 Ligand is > 1.5 x 10 ⁶ IU/mg.
AA Sequence	MTQDCSFQHSPISDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQR WMERLKTVAGSKMQGLLERVNTEIHFVTKCAFQPPPSCLRFVQTNISRLLQETSEQL VALKPWITRQNFSRCLELQCQPDSSTLPPPWSRPLEATAPTA
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.

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Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

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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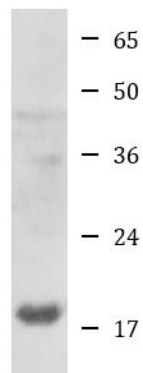
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MIM 600007

UniProt ID P49771

SDS-PAGE



Human FLT3 Ligand
recombinant protein

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