

Active Recombinant Human FLT3LG Protein, His tagged

Cat. No. FLT3LG-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FLT3LG (27-184aa), fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Baculovirus
ProteinLength	27-184aa
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.
Tag	His
Form	Liquid
Molecular Mass	19 kDa (166 aa)
AA Sequence	TQDCSFQHSPISDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQRW MERLKTVAGSKMQGLLERVNTTEIHFTVKCAFQPPPSCLRFVQTNISRLLQETSEQLV ALKPWITRQNFRCLELQCQPDSSSTLPPPWSRPLEATAPTAPQP

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Bio-Activity	Measured in a cell proliferation assay using OCI-AML5 acute myeloid leukemia cells. The ED50 range ≤ 5 ng/mL.
Endotoxin	< 1 EU/ μ g by LAL.
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Reference	1. Klein O., et al. (2013) Eur. J. Immunol. 43(2):533-539. 2. Nakamori Y., et al. (2012) Br. J. Haematol. 157(6):674-686.

GENE INFORMATION

Gene Name	FLT3LG fms related receptor tyrosine kinase 3 ligand [Homo sapiens (human)]
Official Symbol	FLT3LG
Synonyms	FLT3LG; fms-related tyrosine kinase 3 ligand; flt3 ligand; FL; FLT3L
Gene ID	2323
mRNA Refseq	NM_001459

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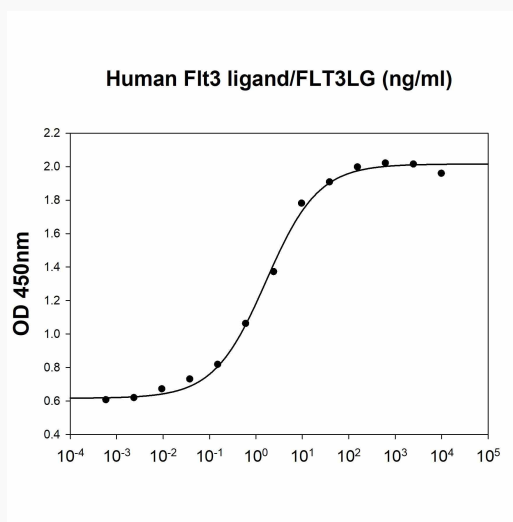
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Protein Refseq NP_001450

MIM 600007

UniProt ID P49771

Biological Activity

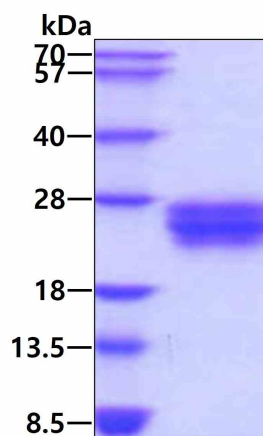


Human Flt3 ligand stimulates cell proliferation of the OCI-AML5 acute myeloid leukemia cells. The ED50 range ≤ 5 ng/mL.

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SDS-PAGE

3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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