

Recombinant Mouse Flt3l protein, His-tagged

Cat. No. Flt3l-63M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse FLT3L, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
Description	FLT3L, also known as fms-related tyrosine kinase 3 ligand, stimulates the proliferation of sub-populations of hematopoietic cells that are enriched for stem and progenitor cells. This factor is a transmembrane protein that undergoes proteolytic cleavage to generate a soluble form of the protein.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	19.3kDa (169aa)18-28kDa (SDS-PAGE under reducing conditions.)
AA Sequence	GTPDCYFSHS PISSNFVKVF RELTDHLLKD YPVTVAVNLI DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTEI HFVTSCTFQPLPECLRFVQT NISHLLKDTG TQLLALKPCI GKACQNF SRC LEVQCQP DSS TLLPPRSPIA LEATELPEPR PRQH HHHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	>85% by SDS – PAGE

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Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name Flt3l FMS-like tyrosine kinase 3 ligand [*Mus musculus*]

Official Symbol Flt3l

Synonyms Ly72L; Flt3lg; flt3 ligand

Gene ID 14256

mRNA Refseq NM_013520

Protein Refseq NP_038548

MIM

UniProt ID P49772

Chromosome Location 7 29.14 cM; 7 B2-C

Pathway Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem

Function cytokine activity; protein homodimerization activity; receptor tyrosine kinase binding

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