

Recombinant Mouse Flt3l protein, His-tagged

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

SPECIFICATION

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| Product Overview | Recombinant mouse FLT3L, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| 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. |
| Source | Insect cell |
| Species | Mouse |
| Tag | His |
| 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 PISSNFKVKF RELTDHLLKD YPVTVAVNLQ DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTEI HFVTSCFQPLPECLRFVQT NISHLLKDTCTQLLALKPCI GKACQNFNSRC LEVQCQPDSS TLLPPRSPIA LEATELPEPR PRQHHHHHH |
| Endotoxin | < 1.0 EU per 1 microgram of protein (determined by LAL method) |

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| Purity | >85% by SDS – PAGE |
| 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 | Flt3I FMS-like tyrosine kinase 3 ligand [<i>Mus musculus</i>] |
| Official Symbol | Flt3I |
| Synonyms | Ly72L; Flt3Ig; 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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