

Active Recombinant Mouse Flt3l protein

Cat. No. Flt3l-936M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Flt3l was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	163 amino acids
Description	FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity & a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.
Form	The FLT3L Mouse protein was lyophilized without any additives.
Bio-activity	The ED50, calculated by the dose-dependent proliferation of mouse AML5 cells is 1.3-2.0ng/ml.
Molecular Mass	18587 Dalton
AA Sequence	MTPDCYFSHS PISSNFKVKF RELTDHLLKD YPVTVAVNQ DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTEI HFVTSCTFQP LPECLRFVQT NISHLLKDTC TQLLALKPCI GKACQNF SRC LEVQCQPDSS TLLPPRSPIA LEATELPEPR PRQ.
Purity	Greater than 98.0% as determined by SDS-PAGE.

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Storage Lyophilized Flt3-Ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution Flt-3 Ligand should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Reconstitution It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18MΩ-cm H₂O not less than 100g/ml, which can then be further diluted to other aqueous solutions.

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 Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Immune System, organism-

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specific biosystem

Function

cytokine activity; protein homodimerization activity; receptor tyrosine kinase binding

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