

## Active Recombinant Mouse Flt3l protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Flt3l was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	163 amino acids
<b>Description</b>	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.
<b>Form</b>	The FLT3L Mouse protein was lyophilized without any additives.
<b>Bio-activity</b>	The ED50, calculated by the dose-dependent proliferation of mouse AML5 cells is 1.3-2.0ng/ml.
<b>Molecular Mass</b>	18587 Dalton
<b>AA Sequence</b>	MTPDCYFSHS PISSNFKVKF RELTDHLLKD YPVTVAVNLQ DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTEI HFVTSCTFQP LPECLRFVQT NISHLLKDTC TQLLALKPCI GKACQNF SRC LEVQCQPDSS TLLPPRSPIA LEATELPEPR PRQ.
<b>Purity</b>	Greater than 98.0% as determined by SDS-PAGE.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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 H<sub>2</sub>O 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-

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



specific biosystem

**Function**

cytokine activity; protein homodimerization activity; receptor tyrosine kinase binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA