

## Active Recombinant Mouse Flt3l

**Cat. No.** Flt3l-03M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Flt3-Ligand Mouse Recombinant produced in E.Coli is non-glycosylated, polypeptide chain containing 163 amino acids and having a molecular mass of 18587 Dalton. Flt3-Ligand is purified by proprietary chromatographic techniques.                              |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                          |
| <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>             | Sterile Filtered White lyophilized (freeze-dried) powder. 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<br>LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTEI HFVTSCTFQP LPECLRFVQT<br>NISHLLKDTC TQLLALKPCI GKACQNF SRC LEVQCQPDSS TLLPPRSPIA<br>LEATELPEPR PRQ.                                                                  |

 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

|                       |                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 98.0% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                      |
| <b>Stability</b>      | Lyophilized Flt3-Ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Flt-3 Ligand should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles. |
| <b>Reconstitution</b> | 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

|                            |                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Flt3l FMS-like tyrosine kinase 3 ligand [ Mus musculus (house mouse) ]                                                                                              |
| <b>Official Symbol</b>     | Flt3l                                                                                                                                                               |
| <b>Synonyms</b>            | Flt3l; FMS-like tyrosine kinase 3 ligand; Ly72L; Flt3lg; Flt3l; Fms-related tyrosine kinase 3 ligand; FLK2; STK1; CD135; Stem Cell Tyrosine Kinase 1; FLT3LG; Flt3. |
| <b>Gene ID</b>             | 14256                                                                                                                                                               |
| <b>mRNA Refseq</b>         | NM_013520                                                                                                                                                           |
| <b>Protein Refseq</b>      | NP_038548                                                                                                                                                           |
| <b>UniProt ID</b>          | P49772                                                                                                                                                              |
| <b>Chromosome Location</b> | 7 B2-C; 7 29.14 cM                                                                                                                                                  |

 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

|                 |                                                                                        |
|-----------------|----------------------------------------------------------------------------------------|
| <b>Pathway</b>  | Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Pathways in cancer |
| <b>Function</b> | 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