

## 32-1208: mFlt3 Ligand Recombinant Protein

**Alternative Name :** Fms-related tyrosine kinase 3 ligand,FLK2,STK1,CD135,Stem Cell Tyrosine Kinase 1,FLT3LG,Flt3.

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 98.0% as determined by SDS-PAGE.
<b>Content :</b>	The FLT3L Mouse protein was lyophilized without any additives.
<b>Storage condition :</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>Amino Acid :</b>	MTPDCYFSHS PISSNFKVKF RELTDHLLKD YPVTVAVNLQ DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTI HFVTSCTFQP LPECLRFVQT NISHLLKDTCTQLLALKPCI GKACQNF SRC LEVQCQPDSS TLLPPRSPIA LEATELPEPR PRQ.

### Application Note

It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18M<sup>l</sup>-cm H<sub>2</sub>O not less than 100Åµg/ml, which can then be further diluted to other aqueous solutions. The ED<sub>50</sub>, calculated by the dose-dependent proliferation of mouse AML5 cells is 1.3-2.0ng/ml.

