

Active Recombinant Mouse Flt3l

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	E.coli
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	Sterile Filtered White lyophilized (freeze-dried) powder. 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 YPVTVAVNLQ DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTEI HFVTSCTFQP LPECLRFVQT NISHLLKDTC TQLLALKPCI GKACQNF SRC LEVQCQP DSS TLLPPRSPIA LEATELPEPR PRQ.

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Purity	Greater than 98.0% as determined by SDS-PAGE.
Stability	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.
Reconstitution	It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18MΩ-cm H ₂ 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 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Flt3l
Synonyms	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.
Gene ID	14256
mRNA Refseq	NM_013520
Protein Refseq	NP_038548
UniProt ID	P49772
Chromosome Location	7 B2-C; 7 29.14 cM

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Pathway	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Pathways in cancer
Function	cytokine activity; protein homodimerization activity; receptor tyrosine kinase binding

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