

**Flt3 Ligand Mouse Recombinant**

Catalogue Number	IY-340
Synonyms	Fms-related tyrosine kinase 3 ligand, FLK2, STK1, CD135, Stem Cell Tyrosine Kinase 1, FLT3LG, Flt3.
Introduction	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.
Patent Rights	The sale and/or commercial use of Recombinant Adiponectin is prohibited in the United States of America (U.S.A).
Description	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.
Source	Escherichia Coli.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	The FLT3L Mouse protein was lyophilized without any additives.
Solubility	It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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). <b>Please prevent freeze-thaw cycles.</b>
Purity	Greater than 98.0% as determined by SDS-PAGE.
Amino acid sequence	MTPDCYFSHS PISSNFKVKF RELTDHLLKD YPVTVAVNLIQ DEKHCKALWS LFLAQRWIEQ LKTAVAGSKMQ TLLEDVNTEI HFVTSCTFQP LPECLRFVQT NISHLLKDTC TQLLALKPCI GKACQNF SRC LEVQCQPDSS TLLPPRSPIA LEATELPEPR PRQ.
Biological Activity	The ED <sub>50</sub> , calculated by the dose-dependent proliferation of mouse AML5 cells is 1.3-2.0ng/ml.
Usage	Products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.