

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

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

Application Note

It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. The ED₅₀, calculated by the dose-dependent proliferation of mouse AML5 cells is 1.3-2.0ng/ml.