

Mouse Flt3 Ligand Recombinant Protein



RPPB0259

Product Information Protein Information

Product SKU:

RPPB0259

Accession:

P49772

Host:

Escherichia Coli.

Protein description:

Flt3-Ligand Mouse Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing 163 amino acids and having a molecular mass of 18.6kDa. Flt3-Ligand is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

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

Formulation:

The FLT3L Mouse protein was lyophilized from sterile filtered solution containing 10mM sodium phosphate, pH 7.5.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Flt3l Mouse recombinant in sterile 18MΩ-cm H₂O at a concentration of 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). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MTPDCYFSHS PISNFKVKF RELTDHLLKD YPVTVAVNLIQ DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ
TLLEDVNTEI HFVTSCTFQP LPECLRFVQT NISHLLKDTG TQLLALKPCI GKACQNFSRC LEVQCQPDSS
TLLPPRSPIA LEATELPEPR PRQ.

Biological Activity:

The ED₅₀, calculated by the dose-dependent proliferation of mouse AML5 cells is 1.66ng/ml, corresponding to a specific activity of 6.0x10⁵ units/mg.