

Murine Flt3-Ligand

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1400.960.002		
10 µg	1400.960.010		
50 µg	1400.960.050		
100 µg	1400.960.100		
1 mg	1400.960.199		

Please enquire for bulk quantities and other vial sizes

Description

Flt3-Ligand Murine Recombinant produced in *E. Coli* is a non-glycosylated, polypeptide chain containing 163 amino acids and having a molecular mass of 18.6kDa.

- **Biological Activity** 1.3 x 10⁵ units/mg
- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The FLT3L Mouse protein was lyophilized from sterile filtered solution containing 10mM sodium phosphate, pH 7.5*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀, calculated by the dose-dependent proliferation of mouse AML5 cells is 7.86ng/ml, corresponding to a specific activity of 1.3x10⁵ units/mg.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MTPDCYFSSH PISSNFKVKF RELTDHLLKD YPVTVAVNLO DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ
 TLLEDVNTEI HFVTSCTFQP LPECLRFVQT NISHLKDTTC TQLLALKPCI GKACQNF SRC LEVQCQPDSS
 TLLPPRSPIA LEATELPEPR PRQ

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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