

Flt3l

Recombinant Mouse FLT3 Ligand, Animal Free

Catalog No.	CRF115A-AF	Quantity:	2 µg
	CRF115B-AF		10 µg
	CRF115C-AF		1.0 mg
	CRF115D-AF		100 µg

Alternate Names: FLT3 L, Fms-related tyrosine kinase 3 ligand

Description: FMS-related Tyrosine Kinase 3 Ligand (FLT-3 Ligand) is a growth factor important for the proliferation of hematopoietic cells. FLT-3 Ligand binds to, and transmits signals through, the receptor tyrosine kinase known as FMS-like Tyrosine Kinase-3 (FLT-3). FLT-3 Ligand promotes long-term expansion and differentiation of human pro-B cells in the presence of IL-7 or in combination of IL-7 and IL-3. Human FLT-3 Ligand can stimulate the proliferation of cells expressing murine FLT-3 receptors.

UniProt Name: Fms-related tyrosine kinase 3 ligand

GeneID: 14256

UniProt ID: P49772

Source: *E. coli*, produced without animal products in an animal-free facility.

Molecular Weight: Monomer, 18.6 kDa (163 aa)

Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤1 EU/µg protein.

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder.

Biological Activity: ≤10 ng/ml, determined by the dose-dependent proliferation of mouse OCI-AML5 cells

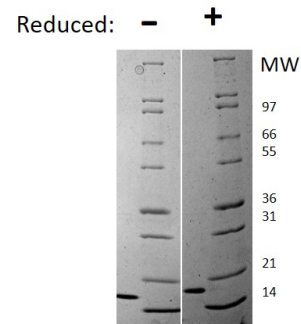
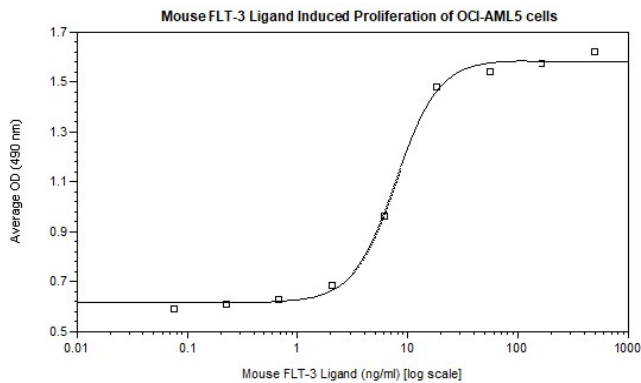
Specific Activity: ≥ 1.0 x 10e5 units/mg

Amino Acid Sequence: MTPDCYFSHS PISSNFKVKF RELTDHLLKD YPVTVAVNQ DEKHCKALWS
LFLAQRWIEQ LKTVAGSKMQ TLLEDVNTEI HFVTSCTFQP LPECLRFVQT
NISHLLKDTC TQLLALKPCI GKACQNF SRC LEVQCQPDSS TLLPPRSPIA
LEATELPEPR PRQ

Reconstitution: **Centrifuge vial prior to opening.** Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare

working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. **Avoid repeated freeze-thaw cycles.**



Mouse FLT-3 Ligand

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse FLT-3 Ligand has a predicted MW of 18.6 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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