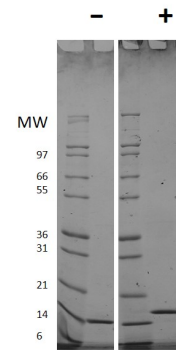
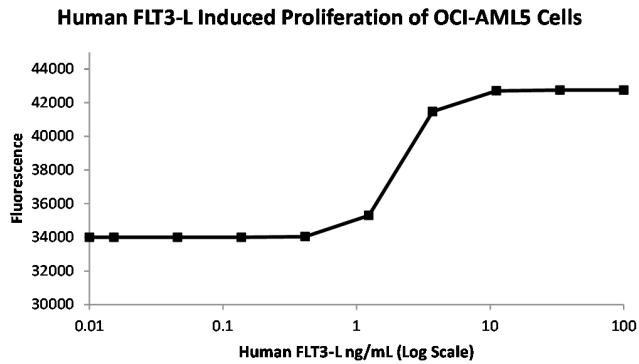


FLT3LG

Recombinant Human FLT3 Ligand, Animal Free

Catalog No.	CRF110B-AF CRF110C-AF	Quantity:	10 µg 1.0 mg
Alternate Names:	FLT3L, fms related tyrosine kinase 3 ligand		
Description:	Fms-related tyrosine kinase 3 ligand (FLT-3 ligand) is a growth factor that regulates hematopoietic cell proliferation. FLT-3 ligand signalling is transmitted through the fms-related tyrosine kinase 3 (FLT-3) receptor. FLT-3 ligand promotes the long-term expansion and differentiation of pro-B cells in the presence of interleukin 7 (IL-7) or in combination of IL-7 and interleukin 3 (IL-3). Human FLT-3 ligand is active on mouse cells.		
UniProt ID:	P49771		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 17.7 kDa (155 aa)		
Formulation:	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 50 mM NaCl, pH 7.5		
Purity:	>95% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	≤1 EU/µg by kinetic LAL analysis Manufactured in an Animal-Free facility, without Animal-Derived materials.		
Biological Activity:	ED ₅₀ ≤ 5 ng/ml, determined by dose-dependent proliferation of OCI-AML5 cells.		
Specific Activity:	≥ 2.0 x 10 ⁵ units/mg		
Amino Acid Sequence:	MTQDCSFQHS PISSDFAVKI RELSDYLLQD YPVTVASNLQ DEELCGGLWR LVLAQRWMER LKTVAGSKMQ GLLERVNTEI HFVTKCAFQP PPSCLRFVQT NISRLQETS EQLVALKPWI TRQNFRCLE LQCQPDSSSTL PPPWSPRPLE ATAPT		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/ml. DO NOT VORTEX. Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered 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.		





Human FLT3 Ligand
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human FLT-3 Ligand has a predicted MW of 17.6 kDa.

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



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