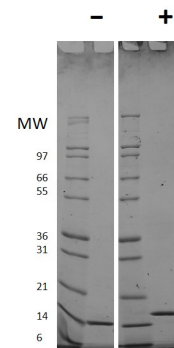
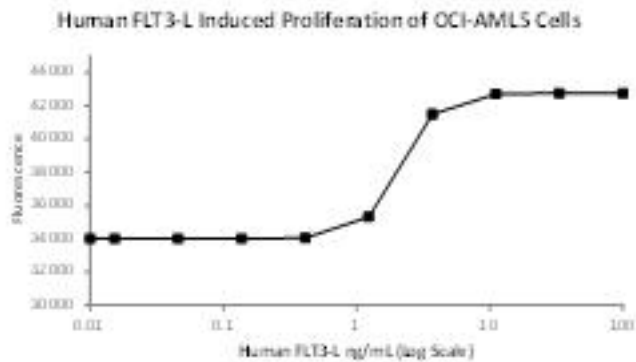


FLT3LG

Recombinant Human FLT3 Ligand

Catalog No.	CRF110A CRF110B CRF110C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Fms-related tyrosine kinase 3 ligand, Flt3 ligand, Flt3L, SL cytokine		
Description:	Fms-related tyrosine kinase 3 ligand is a hematopoietic cytokine whose activities are mediated by binding to the transmembrane glycoprotein Flt-3. Flt-3L is structurally related to MCSF and SCF. All three cytokines have been shown to exist both as type I transmembrane proteins and as soluble proteins. The predominant human Flt-3L isoform is a transmembrane protein that can undergo proteolytic cleavage to generate a soluble form of the protein. An alternatively-spliced Flt-3L mRNA, encoding a soluble form of the human FLT-3L, has also been identified. Flt-3L is widely expressed in various human and mouse tissues. Human FLT-3 ligand is active on mouse cells. Flt-3L has been shown to synergize with a wide variety of hematopoietic cytokines to stimulate the growth and differentiation of early hematopoietic progenitors. Furthermore, Flt-3L controls the development of DCs and is particularly important for plasmacytoid DCs and CD8-positive classical DCs and their CD103-positive tissue counterparts.		
Gene ID:	2323		
UniProt ID:	P49771		
Source:	<i>E. coli</i>		
Molecular Weight:	Monomer, 17.7 kDa (155 aa)		
Formulation:	Lyophilized from sterile-filtered 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		
Biological Activity:	ED ₅₀ <10 ng/ml, determined by dose-dependent proliferation of OCI-AML5 cells.		
Specific Activity:	≥1 x 10 ⁵ units/mg		
Amino Acid Sequence:	MTQDCSFQHS PISSDFAVKI RELSDYLLQD YPVTVASNLQ DEELCGGLWR LVLAQRWMER LKTVAGSKMQ GLLERVNTEI HFVTKCAFQP PPSCLRFVQT NISRLQETS EQLVALKPWI TRQNFSCRLE 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.



Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com