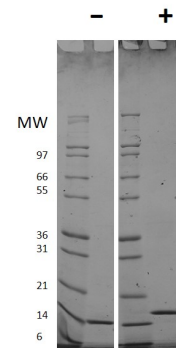
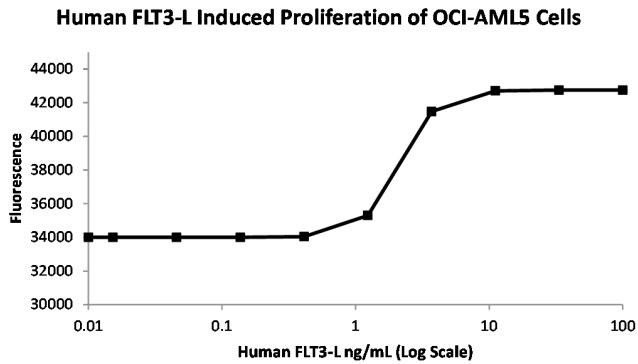


## FLT3LG

### Recombinant Human FLT3 Ligand

<b>Catalog No.</b>	CRF110B CRF110C	<b>Quantity:</b>	10 µg 1.0 mg
<b>Alternate Names:</b>	Fms-related tyrosine kinase 3 ligand, Flt3 ligand, Flt3L, SL cytokine		
<b>Description:</b>	<p>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.</p>		
<b>Gene ID:</b>	2323		
<b>UniProt ID:</b>	P49771		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	Monomer, 17.7 kDa (155 aa)		
<b>Formulation:</b>	Lyophilized from sterile-filtered 10 mM sodium phosphate, 50 mM NaCl, pH 7.5		
<b>Purity:</b>	≥ 95% by reducing and non-reducing SDS-PAGE		
<b>Endotoxin Level:</b>	≤1 EU/µg by kinetic LAL analysis		
<b>Biological Activity:</b>	ED <sub>50</sub> ≤ 5 ng/ml, determined by dose-dependent proliferation of OCI-AML5 cells.		
<b>Specific Activity:</b>	≥ 2.5 x 10 <sup>5</sup> units/mg		
<b>Amino Acid Sequence:</b>	MTQDCSFQHS PISDFAVKI RELSDYLLQD YPVTVASNLQ DEELCGGLWR LVLAQRWMER LKTVAGSKMQ GLLERVNTEI HFVTKCAFQP PPSCLRFVQT NISRLQETS EQLVALKPWI TRQNFRCLE LQCQPDSSTL PPPWSPRPLE ATAPT		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1 mg/ml. <b>DO NOT VORTEX.</b> Allow several minutes for complete reconstitution. Further dilutions should be made in appropriate buffered solutions.		
<b>Storage &amp; Stability:</b>	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. <b>Avoid repeated freeze-thaw cycles.</b>		





**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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