

FLT3LG

Recombinant Human FLT3 Ligand, GMP Grade

Catalog No.	CRF110A-GMP CRF110B-GMP CRF110C-GMP	Quantity:	50 µg 100 µg 1.0 mg
Alternate Names:	Fms-related tyrosine kinase 3 ligand, Flt3 ligand, Flt3L, SL cytokine		
Description:	<p>Flt-3 ligand (Flt-3L) is a hematopoietic cytokine whose activities are mediated by binding to the transmembrane glycoprotein Flt-3. The predominant human Flt-3L isoform is a transmembrane protein that can undergo proteolytic cleavage to generate a soluble form of the protein. Flt-3L is widely expressed in various human and mouse tissues. Flt-3L has been shown to synergize with a wide variety of hematopoietic cytokines to stimulate the growth and differentiation of early hematopoietic progenitors.</p> <p>This product is produced from <i>E. coli</i> and is manufactured in a facility that does not use or process beta-lactam containing materials. No animal- or human-derived materials were used during manufacturing or as ingredients. This product is manufactured, tested, and released in an ISO 9001:2015 certified facility and follows cGMP practices. USP chapter <1043> for ancillary materials considered in the manufacture of this product.</p>		
UniProt ID:	P49771		
Source:	<i>E. coli</i>		
Molecular Weight:	17.7 kDa (155 aa) monomer		
Formulation:	Lyophilized (1mg/ml) sterile-filtered 10 mM sodium phosphate, 50 mM NaCl, pH 7.5		
Purity:	≥ 97% by reducing and non-reducing SDS-PAGE		
Endotoxin Level:	<0.05 EU/µg using USP <85>/ EP 2.6.14		
Biological Activity:	ED ₅₀ < 5 ng/ml, determined by dose-dependent proliferation of OCI-AML5 cells.		
Specific Activity:	~1.6 x 10 ³ IU/µg, which is calibrated against the recombinant Human FLT-3 Ligand WHO International Standard (NIBSC code 96/532).		
Amino Acid Sequence:	MTQDCSFQHS PISSDFAVKI RELSDYLLQD YPVTVASNLQ DEELCGGLWR LVLAQRWMER LKTVAGSKMQ GLLERVNTEI HFVTKCAFQP PPSCLRFVQT NISRLLQETS EQLVALKPWI TRQNF SRCLE LQCQPDSSTL PPPWSPRPLE ATAPT		
Reconstitution:	<p>Allow the vial and sterile water/Water for Injection to equilibrate to room temperature. Draw up desired volume for reconstitution with sterile syringe. Aseptically puncture through rubber stopper with sterile needle, inject the buffer to achieve the desired concentration (0.1-0.5 mg/mL). Swirl the vial gently, do not vortex. Allow protein to rehydrate for 10-15 minutes at room temperature with occasional gentle mixing.</p>		
Storage & Stability:	<p>Lyophilized vial is shipped at ambient temperature. Immediately upon receipt, store unopened vial at -20°C (manual defrost freezer) or -80°C for up to 36 months. Upon reconstitution, prepare working aliquots and store at -20°C (manual defrost freezer) or -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage. For short term storage reconstituted material is stable for 4-6 weeks when stored at 2-8°C. Avoid repeated freeze-thaw cycles.</p>		



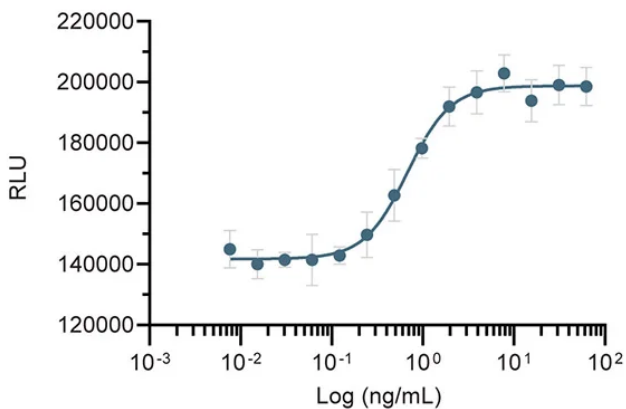
Applications:

For *ex vivo* use only. Not for injection or diagnostic procedures. The safety and efficacy of this product in diagnostic or other clinical uses has not been established.

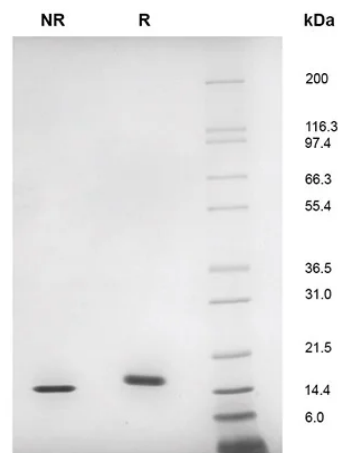
Country of Origin:

USA

GMP Grade rhFLT-3 Ligand Proliferation Assay using OCI-AML5 cells



GMP Grade rhFLT-3 Ligand on SDS-PAGE
Single band at 17.7 kDa



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

