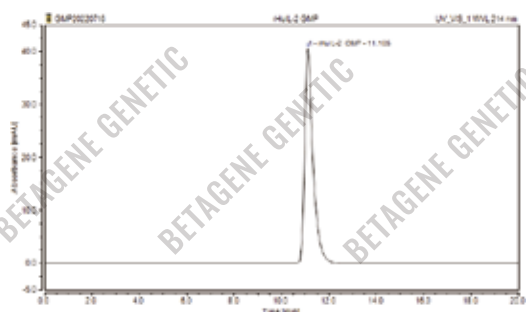


RECOMBINANT HUMAN FLT3L TAG-FREE GMP

Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder
Gene ID	2323
Description	Fms-related Tyrosine Kinase 3 Ligand (Flt3L) is a growth factor that regulates proliferation of early hematopoietic cells. Flt3L binds to cells expressing the tyrosine kinase receptor Flt3. Flt3L, by itself does not stimulate proliferation of early hematopoietic cells, but synergizes with other CSFs and interleukins to induce growth and differentiation. Unlike SCF, Flt3L exerts no activity on mast cells. Multiple isoforms of Flt3L have been identified. The predominant biologically active form is anchored to the cell surface as the extracellular domain of a transmembrane protein. The membrane-bound isoform can be proteolytically cleaved to generate a biologically active soluble isoform.
Catalog Number	GE16.1/GE16.2
Unit Size	50µg/100µg
Source	E. coli
Molecular Weight	Approximately 17.6kDa, a single non-glycosylated polypeptide chain containing 155 amino acids
AA Sequence	TQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQRWMERLKTAVAGSKMQGLLERVNTIEHFVTKCAFQPPPSCLRFVQ TNISRLQLQETSEQLVALKPWITRQNFSCRLELCQCPDSSTLPPWSPRPLEATAPTA
Purity (HPLC)	> 98%
Purity (SDS-PAGE)	> 98%
Biological Activity	The ED ₅₀ as determined by a cell proliferation assay using human AML5 cells is < 1.0 ng/mL, corresponding to a specific activity of ≥1.0 × 10 ⁶ Units/mg.
Host Cell DNA Residue	< 0.02 ng/µg of protein tested by DNA Fluorescent Staining method
Host Cell Protein Residue	< 0.5 ng/µg of protein tested by ELISA
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20mM PB, 150mM NaCl, pH7.4
Sterility	Negative
Endotoxin	< 0.01EU/µg as determined by LAL gel-clot method
Mycoplasma	Negative
Reconstitution	Before use this product, please read the direction below carefully. 1. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. 2. Reconstitute in a sterile aqueous buffer to an appropriate concentration. 3. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Stability & Storage	For long term storage, the product should be stored ≤ -20 °C. Please avoid repeated freeze-thaw cycles after reconstitution. 1. At least 24 months from date of receipt, ≤ -20 °C as supplied; 2. 1 month, 2 to 8 °C under sterile conditions after reconstitution; 3. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended.



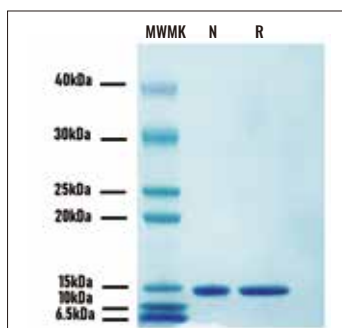
DATA



Purity of Recombinant Human Flt3L

HPLC

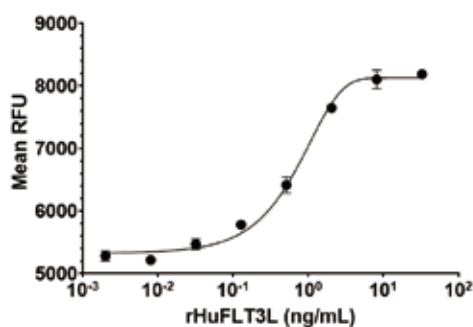
HPLC analysis of Recombinant Human Flt3L. The major peak corresponds to the calculated purity of > 98%



Purity of Recombinant Human Flt3L

SDS-PAGE

5 µg/lane of Recombinant Human Flt3L was resolved with SDS-PAGE under reducing (R) and non-reducing (NR) conditions and visualized by Coomassie® Blue staining, showing R band at 17kDa.



Bioactivity of Recombinant Human Flt3L

The ED₅₀ as determined by a cell proliferation assay using human AML5 cells is < 1.0 ng/mL, corresponding to a specific activity of $\geq 1.0 \times 10^6$ Units/mg.

CONTENTS

Product	Cat. No.	Amount	Storage	Shelf life
Recombinant Human Flt3L (GMP-Grade)	GE16.1 GE16.2	50µg 100µg	≤-20°C	24 months

LIMITED WARRANTY

BETAGENE™ Genetic and/or its affiliate(s) warrant their products as set forth in the BETAGENE Genetic' General Terms and Conditions of Sale. If you have any questions, please contact our staff at SALES@betagene.com.

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