

Recombinant Human FLT3 Protein, GMP Grade, Animal-Free

Cat. No. FLT3-29HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview GMP Recombinant Human FLT3 protein with out tag was expressed in E. coli and manufactured using animal-derived component free materials.

Species Human

Source E.coli

Description Flt3-Ligand is a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand binds to cells expressing the tyrosine kinase receptor Flt3. Flt3-Ligand, by itself does not stimulate proliferation of early hematopoietic cells, but synergizes with other CSFs and interleukins to induce growth and differentiation. Unlike SCF, Flt3-Ligand exerts no activity on mast cells. Multiple isoforms of Flt3-Ligand have been identified. The predominant biologically active form is anchored to the cell surface as the extracellular domain of a transmembrane protein (209 a.a.). The membrane-bound isoform can be proteolytically cleaved to generate a biologically active soluble isoform.

AA Sequence MTQDCSFQHSPISDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQR
WMERLKTVAGSKMQGLLERVNTIEHFVTKCAFQPPPSCLRFVQTNISRLLQETSEQL
VALKPWITRQNFRCLELQCQPDSSTLPPPWSRPLEATAPTA

Purity ≥ 98% by SDS-PAGE gel and HPLC analyses.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	FLT3 fms-related tyrosine kinase 3 [Homo sapiens (human)]
Official Symbol	FLT3
Synonyms	FLT3; fms-related tyrosine kinase 3; receptor-type tyrosine-protein kinase FLT3; CD135; FLK2; STK1; STK-1; CD135 antigen; FL cytokine receptor; fetal liver kinase 2; fms-like tyrosine kinase 3; stem cell tyrosine kinase 1; growth factor receptor tyrosine kinase type III; FLK-2;
Gene ID	2322
mRNA Refseq	NM_004119
Protein Refseq	NP_004110
MIM	136351
UniProt ID	P36888

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