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Flt3 Ligand Human

Flt3 Ligand Human Recombinant
CYK0152

Product Overview

Name	Flt3 Ligand Human
Description	
Flt3 Ligand Human Recombinant	
Accession (Primary)	P49771
Synonyms	
Fms-Related Tyrosine Kinase 3 Ligand, Flt3 Ligand, Flt-3 Ligand, SL Cytokine.	
Introduction	
FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity & a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The protein was lyophilized with no additives.	
Stability	
Lyophilized Flt3-Ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Flt3-Ligand should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSTLP PPWSPRPLEA TAPTA.	
Biological Activity	
The ED 50 as calculated by the dose-dependent stimulation of the proliferation of human AML5 cells is less than 1.0	

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ng/ml, corresponding to a Specific Activity of 1.0×10 6 IU/mg.

Solubility

It is recommended to reconstitute the lyophilized Flt3-L in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

References

1. Title :Identification of Y589 and Y599 in the juxtamembrane domain of Flt3 as ligand-induced autophosphorylation sites involved in binding of Src family kinases and the protein tyrosine phosphatase SHP2. Publication :Published online before printMay 9, 2006, doi:10.1182/blood-2005-07-008896 Submitted: July 14, 2005Accepted: April 26, 2006 Blood September 1 , 2006vol. 108no. 51542-1550. Link : Flt3 Ligand prospec publication 2. Title :A role of Gab2 association in Flt3 ITD mediated Stat5 phosphorylation and cell survival. Publication :Received 2 February 2009; accepted for publication 30 March 2009 Correspondence: Lars Ro¨nnstrand,Experimental Clinical Chemistry, WallenbergLaboratory, Entr. 46, 5th fl, Malmo¨ University Hospital, SE-20502 Malmo¨, Sweden.E-mail: lars.ronnstrand@med.lu.se;http://www.expklkemi.mas.lu.se Link : Flt3 Ligand Human prospec publication

Precautions

Flt3 Ligand Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49771)