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Flt3 Ligand Human, HEK

Flt3-Ligand Human Recombinant, HEK derived
CYK0153

Product Overview

Name	Flt3 Ligand Human, HEK
Description	
Flt3-Ligand Human Recombinant, HEK derived	
Accession (Primary)	P49771
Synonyms	
Fms-related tyrosine kinase 3 ligand, FLK2, STK1, CD135, Stem Cell Tyrosine Kinase 1, FLT3LG, Flt3.	
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	
HEK293 (Human Embryonic Kidney cell line).	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Flt3-Ligand was lyophilized from a 0.2 μm filtered solution containing 1xPBS.	
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 95.0% 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 TAPTAPQP.	
Biological Activity	
The activity was determined by the dose- dependent stimulation of the proliferation of the human acute myeloid	

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leukemia cell line OCI-AML5. The ED 50 is 0.56ng/ml.

Solubility

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

Precautions

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

Target Information: (P49771)