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Flt3 Ligand Human, Sf9

Flt3 Ligand Human Recombinant, Sf9
CYK0154

Product Overview

Name	Flt3 Ligand Human, Sf9
Description	
Flt3 Ligand Human Recombinant, Sf9	
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	
Baculovirus Sf9 cells.	
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-L 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	
The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Gln-Asp-Cys-Ser.	
Biological Activity	
The ED50, calculated by the dose-dependent stimulation of the proliferation of human MUTZ-2 cells is < 3.0 ng/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.

Protein content

Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm using the absorbency value of 1.42 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard of Flt3-Ligand as a Reference Standard.

Precautions

Flt3 Ligand Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49771)