Product Data Sheet

Product Name:	Flt3-Ligand Rhesus Macaque
Cat. No.:	GP20265
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Fms-related tyrosine kinase 3 ligand; FLK2; STK1; CD135; Stem Cell Tyrosine Kinase 1; FLT3LG; Flt3.		
Amino Acid Sequence	TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVPSNLQD EELCGALWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQHP PSCLRFVQTN ISRLLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSTLP PPRSPGALEA TALTAPQRP		
Solubility	It is recommended to reconstitute the lyophilized Flt3 Ligand in sterile 18MΩ-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2μm filtered concentrated solution in PBS, pH 7.4.		

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.

Biological Activity

The ED50 as calculated by the dose-dependant stimulation of the proliferation of human AML5 cells is less than 1.0ng/ml, corresponding to a specific activity of 1,000,000IU/mg.

Stability

Lyophilized Flt3 Ligand Rhesus Macaque although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Flt3 Ligand Rhesus Macaque should be stored at 4°C between 2-7 days and for future use below -

Caution: Product has not been fully validated for medical applications. For research use only.
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18°C .Please prevent freeze-thaw cycles.

Background

Flt3 Ligand Rhesus Macaque Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 159 amino acids and having a molecular mass of 18.0kDa.The Flt3 Ligand Rhesus Macaque is purified by proprietary chromatographic techniques.