
Product Data Sheet

Product Name: Flt3 Ligand Human

Cat. No.: GP20259

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical 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 PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLLQETSE QLVALKPWIT RQNFSCRLEL QCQPDSSTLP PPWSPRPLEA TAPTA.		
Solubility	It is recommended to reconstitute the lyophilized Flt3-L in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized with no additives.		

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-dependent stimulation of the proliferation of human AML5 cells is less than 1.0 ng/ml, corresponding to a Specific Activity of 1.06[±]106 IU/mg.

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

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recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

Flt3-Ligand Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of approximately 17.6kDa. Flt3-Ligand is purified by proprietary chromatographic techniques.

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