
Product Data Sheet

Product Name: Flt3 Ligand Human, HEK

Cat. No.: GP20260

Batch No.: 1

Product Data

Purity	>98%	Source	HEK293 (Human Embryonic Kidney cell line).
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 RQNF SRCLEL QCQPDSSTLP PPWSPRPLEA TAPTAPQP.		
Solubility	It is recommended to reconstitute the lyophilized Flt3-Ligand 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 determined by the dose dependent proliferation of human OCI-AML5 cells is 0.5 to 1.0 ng/ml (Specific Activity: 2.0 x 1,000,000 uC 1.0 x 1,000,000 units/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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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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 HEK293 cells is a glycosylated, polypeptide chain, migrates as a diffuse band on SDS-PAGE due to heterogeneous glycosylation at 30kDa. Flt3-Ligand is purified by proprietary chromatographic techniques.

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