
Product Data Sheet

Product Name: Flt3 Ligand Human, His

Cat. No.: GP20262

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.

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

Formulation The protein was lyophilized with PBS.

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 activity was measured in a cell proliferation assay using OCI-AML5 cells (ATCC ACC 247). The EC₅₀ for this effect is typically 0.2-1 ng/mL.

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.

Background

Flt3-Ligand Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 165 amino acids (including his tag) and having a molecular mass of 18.9 kDa. Flt3-Ligand is purified by proprietary chromatographic techniques.

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