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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Flt3-Ligand, rhesus macaque recombinant (rrmFlt3)

Catalog No: 97453
Lot No: XXXXX
Source: *E. coli*
Synonyms: Fms-related tyrosine kinase 3 ligand, FLK2, STK1, CD135, Stem Cell Tyrosine Kinase 1, FLT3LG, Flt3

Background

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.

Description

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 18.0 kDa. Flt3 Ligand is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

Solubility

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

Stability

Lyophilized Flt3 Ligand, 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 -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by SDS-PAGE.

Amino Acid Sequence

TQDCSFQHS P ISSDFAVKIR ELSDYLLQDY PVTVP SNLQD EELCGALWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH
FVTKCAFQHP PSCLR FVQTN ISRL LQETSE QLVALKPWIT RQNF SRCLEL QCQPDSSTLP PPRSPGALEA TALTAPQRP

Activity

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

Usage

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