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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Flt3-Ligand, HEK, human recombinant (rHuFlt3-HEK)

Catalog No: 97322
Lot No: XXXXX
Source: HEK293
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 human recombinant produced in HEK293 cells is a glycosylated polypeptide chain and migrates on SDS-PAGE, due to heterogeneous glycosylation, as a diffuse band at 30 kDa. Flt3-Ligand is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized with no additives.

Solubility

It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18 M Ω -cm H₂O not less than 100 μ g/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 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.

Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Amino Acid Sequence

TQDCSFQHS P ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMLR KTVAGSKMQG LLERVNTEIH
FVTKCAFQPP PSCLRQVQTN ISRLQLQETSE QLVALKPWIT RQNFSCRLEL QCQPDSSTLP PPWSPRPLEA TAPTAPQP

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 – 1.0 x 1,000,000 units/mg).

Usage

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