

Human Flt3 Ligand Recombinant Protein



RPPB0255

Product Information Protein Information

Product SKU:

RPPB0255

Accession:

P49771

Host:

Escherichia Coli.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Fms-Related Tyrosine Kinase 3 Ligand, Flt3 Ligand, Flt-3 Ligand, SL Cytokine.

Formulation:

The protein was lyophilized with no additives.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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.

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.

Amino Acid Sequence:

TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG
LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLLETSE QLVALKPWIT RQNFSRCLEL QCQPDSSTLP
PPWSPRPLEA TAPTA.

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 1.0×10⁶ IU/mg.