

# Human Flt3 Ligand Recombinant Protein



RPPB0256

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## Product Information    Protein Information

**Product SKU:**

RPPB0256

**Accession:**

P49771

**Host:**

HEK293 (Human Embryonic Kidney cell line).

**Protein description:**

Flt3-Ligand Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 24-30kDa due to glycosylation. The Flt3-Ligand is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Fms-related tyrosine kinase 3 ligand, FLK2, STK1, CD135, Stem Cell Tyrosine Kinase 1, FLT3LG, Flt3.

**Formulation:**

Flt3-Ligand was lyophilized from a 0.2µm filtered solution containing 1xPBS.

**Purity:**

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

**Solubility:**

It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18MΩ-cm H<sub>2</sub>O 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 PTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSTLP PPWSPRPLEA TAPTAPQP.

**Biological Activity:**

The activity was determined by the dose- dependent stimulation of the proliferation of the human acute myeloid leukemia cell line OCI-AML5. The ED50 is 0.56ng/ml.