

# Human Flt3 Ligand Recombinant Protein



RPPB0257

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## Product Information    Protein Information

**Product SKU:**

RPPB0257

**Accession:**

P49771

**Host:**

Baculovirus Sf9 cells.

**Protein description:**

Flt3-Ligand Human Recombinant produced in Sf9 insect cells is a glycosylated, polypeptide chain containing 155 amino acids and having migrating on SDS-PAGE at 19kDa. 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:**

The protein was lyophilized with no additives.

**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-L 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:**

The sequence of the first five N-terminal amino acids was determined and was found to be Thr-Gln-Asp-Cys-Ser.

**Biological Activity:**

The ED<sub>50</sub>, calculated by the dose-dependent stimulation of the proliferation of human MUTZ-2 cells is < 3.0 ng/ml.