



## Product Datasheet

<b>Product Name</b>	Recombinant Human Flt3-Ligand
<b>Cata No</b>	CB500233
<b>Source</b>	Escherichia Coli.
<b>Synonyms</b>	Fms-related tyrosine kinase 3 ligand, FLK2, STK1, CD135, Stem Cell Tyrosine Kinase 1, FLT3LG, Flt3.

### Description

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. Flt3-Ligand Human Recombinant produced in E.Coli is non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of 17605 Dalton. Flt3-Ligand is purified by proprietary chromatographic techniques.

### Purity

Greater than 98.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Analysis by SDS-PAGE.

### Storage

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.**

### Formulation

The protein was lyophilized with no additives.

### Activity

The ED50 range=0.5-1.0 ng/mL, calculated by the dose-dependant stimulation of the proliferation of human OCMI-AML5 cells.

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