



Product Datasheet

Product Name	Flt3 Ligand Human Recombinant, Sf9
Cata No	CB500311
Source	<i>Baculovirus Sf9 cells</i>
Synonyms	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 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.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity

The ED50, calculated by the dose-dependant stimulation of the proliferation of human MUTZ-2cells is < 3.0 ng/ml.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The protein was lyophilized with no additives.

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.8

Sequence

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