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Recombinant Human Flt3-Ligand

Description: Flt3-ligand (flk2-ligand) stimulates the proliferation and colony formation of certain BM precursor cells including CD34+ cells. Flt3-ligand produced in E. coli is a soluble non-glycosylated 17.6 kDa polypeptide containing 155 amino acid residues which comprises the extracellular domain of the transmembrane flt3-ligand protein.

Source:	E. coli
Molecular Weight:	17.6 kDa
Purity:	> 95% by RP-HPLC, Anion-exchange FPLC, Silverstain
Endotoxin level:	< 0.1 ng per µg (IEU/µg) of rh Flt3-Ligand
Stabilizer:	none
Formulation:	lyophilized (freeze-dried)

Biological Activity: The ED₅₀ range is 0.5-1.0 ng/mL, calculated by the dose-dependent stimulation of the proliferation of human OCMI-AML5 cells

Reconstitution: The lyophilized Flt3-ligand is soluble in water and most aqueous buffers. The lyophilized powder should be reconstituted in water to a concentration not less than 0.1 mg/ml. This solution can be stored at 4°C for future use or diluted into other buffered solutions. Further dilutions should be made into buffer containing carrier protein or medium containing serum.

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). **Avoid repeated freeze-thaw cycles.**

Usage: Human Flt3-Ligand is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-026-SC

Size: 50 µg

Range: 10-100 ng/ml

****please note: always centrifuge product before opening Vial.****