

Recombinant Mouse FLT3 Ligand (FLT3LG)

Cat No:HR2R2124

For research use only

Overview

Quantity	10 ?g
Gene Symbol	FLT3LG
Gene ID	14256
Accession	P49772
Alternative Name	FLT-3, Flt3 ligand, Flt3L, SL cytokine,
Species	Mouse
Source	E. coli
Description	FLT-3 ligand promotes long-term expansion and differentiation of human pro-B cells in the presence of IL-7 or in combination of IL-7 and IL-3. The human flt-3 ligand also stimulates the proliferation of cells expressing murine flt-3 receptors.n combination with SCF and IL-3 flt-3 ligand can cause expansion of cells with the marker spectrum CD34(+) CD38(-). Alone, flt-3 ligand supports the survival of precursors in the lineage of blood-forming cells such as CFU-GM, CFU-GEMM, and the very primitive high proliferative potential colony-forming cells, HPP-CFC. flt-3 ligand only has marginal effects on progenitors for erythroid cells and megakaryocytes.
Functions	The ED(50) was determined by the dose-dependent proliferation of human AML5 cells was found to be in the range of 10.0 ng/mL.
Formulation	Recombinant FLT-3 Ligand was lyophilized from a 0.2 ?m filtered solution with 50mM Tris,100mM NaCl, pH 8.5.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	19
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.