Flt-3L/Flt3LG (C-6His), Human, Recombinant

Cat. No. : PCK090

General Information

Synonyms	Fms-related Tyrosine Kinase 3 Ligand;Flt3 Ligand;Flt3L;SL Cytokine;FLT3LG
Species	Human
Expression host	Human Cells
Sequence	Thr27-Pro184
Accession	P49771
Tag	C-6His
Mol mass	19 kDa
Expiration date	12 months
Bio activity	Immobilized Human FLT3LG (C-6His) 5 μg/mL (100 μL/well) can bind Human FLT3 (C-Fc). The EC50 of Human FLT3 (C-Fc) is not higher than 10 ng/mL.

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Fms-Related Tyrosine Kinase 3 Ligand (FLT3LG) is a hematopoietic four helical bundle Cytokine. Mature human Flt-3 Ligand consists of a extracellular domain (ECD) with a Cytokine-like domain and a juxtamembrane tether region, a transmembrane segment, and a cytoplasmic tail. Human and mouse Flt-3 Ligand show cross-species activity. Flt-3 Ligand is expressed as a noncovalently-linked dimer by T cells and bone marrow and thymic fibroblasts.It is structurally homologous to stem cell factor (SCF) and colony stimulating facor 1 (CSF-1). In synergy with other Growth Factors, Flt3 Ligand stimulates the proliferation and differentiation of various blood cell progenitors by activiation of Flt 3 Receptor.