

Recombinant Human FLT3LG

Catalog No: CA82

Description Recombinant Human Fms-like Tyrosine Kinase 3 Ligand is produced by our Mammalian expression system and the target gene encoding Thr27-Pro184 is expressed with a 6His tag at the C-terminus.

Source Human Cells

Alternative name Fms-Related Tyrosine Kinase 3 Ligand; Flt3 Ligand; Flt3L; SL Cytokine; FLT3LG

Accession No. P49771

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, pH8.0.

Reconstitution Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Quality Control Purity: Greater than 95% as determined by reducing SDS-PAGE.
Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Shipping The product is shipped at ambient temperature.
Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.
Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Amino Acid Sequence TQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQRWMERLKTIVAGSKMQ
GLLERVNTIEHFVTKCAFQPPPSCLRFRVQTNISRLLQETSEQLVALKPWITRQNFRCLELQCQPDSSSTLP
PPWSPRPLEATAPTAPQPVDHHHHHH

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 factor 1 (CSF-1). In synergy with other growth factors, Flt3 ligand stimulates the proliferation and differentiation of various blood cell progenitors by activation of Flt 3 receptor.

SDS-Page

