



Recombinant Protein Technical Manual
Recombinant Human FLT3LG/Flt3 Ligand Protein
(His Tag)
RPES4206

Product Data:

Product SKU: RPES4206

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P49771

Protein Information:

Molecular Mass: 18.9 kDa

AP Molecular Mass: 24-32 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Fms-Related Tyrosine Kinase 3 Ligand; Flt3 Ligand; Flt3L; SL Cytokine; FLT3LG

Immunogen Information:

Sequence: Thr 27-Pro184

Background:

Fms-Related Tyrosine Kinase 3 Ligand (FLT3LG) is a hematopoietic four helical bundle cytokine. Mature human Flt-3 Ligand consists of an 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). In synergy with other growth factors, Flt3 ligand stimulates the proliferation and differentiation of various blood cell progenitors by activation of Flt 3 receptor.