



Recombinant Protein Technical Manual  
Recombinant Mouse FLT3LG/Flt3 Ligand Protein (His  
Tag)  
RPES0774

### Product Data:

**Product SKU:** RPES0774

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** P49772

### Protein Information:

**Molecular Mass:** 19.4 kDa

**AP Molecular Mass:** 22-30 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by 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 PBS, pH 7.4 .

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

**Application:**

**Synonyms:** Fms-related tyrosine kinase 3 ligand (Flt3L); SL cytokine; Flt3 ligand

## Immunogen Information:

**Sequence:** Gly27-Arg188

## Background:

Fms-related tyrosine kinase 3 ligand(Flt3L) is a single-pass type I membrane protein and consists of 232 amino acids. Flt3L is a hematopoietic four helical bundle cytokine, structurally homologous to stem cell factor and colony stimulating factor. Flt3L synergizes well with a number of other colony stimulating factors and interleukins. Flt3L stimulates the proliferation and differentiation of various blood cell progenitors by activating FLT3.