

**RMCH086**

Recombinant Flt-3 Ligand (Fms-related tyrosine kinase 3 ligand), Human ,AF



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5ug;20ug;100ug;500ug;

**Synonym/Alternative name(s) :** FL, FLG3L, FLT3L

**Activity:**

Measure by its ability to induce proliferation in BaF3 cells transfected with mouse Flt-3.  
The ED50 for this effect is <0.8 ng/mL.  
The specific activity of recombinant human Flt-3 Ligand is > 1.5 x 10<sup>6</sup> IU/mg.

**Protein Description:**

Fms-related tyrosine kinase 3 ligand (FLT3LG) is a protein which in humans is encoded by the FLT3LG gene. FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity & a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.

**Protein Accession :** P36888.2

**Gene ID :** 2322

**Expression Sequence:**

MTQDCSFQHSPISSDFAVKIRELSYLLQDYPVTVASNLQDEELCGGLWRLVLAQRWMERLKTVAGSKMQGLLERVNTIEHFVTKCAFQPPPSCLRFVQTNISRLLQETSEQLVALKPWITRQNFSCRLELQCQPDSSLPPPWSRPLEATAPTA with polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus

**Species :** Human

**Reactivity :** Human

**Expression Host :** Escherichia coli

**Source :** E. coli

**Purity/method:**

>95% as determined by SDS-PAGE.  
Ni-NTA chromatography.

**Endotoxin level:**

<0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 18.6 kDa

**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 8.0.

**Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice

**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.  
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or

stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant human Flt-3 Ligand