

## FLT3LG Protein, Mouse (HEK293, Fc)

<b>Cat. No.:</b>	HY-P73067
<b>Synonyms:</b>	Fms-related tyrosine kinase 3 ligand; Flt3 Ligand; Flt3L; SL Cytokine; FLT3LG
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	P49772-1 (G27-R188)
<b>Gene ID:</b>	14256
<b>Molecular Weight:</b>	Approximately 35&55-65 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>G T P D C Y F S H S      P I S S N F K V K F      R E L T D H L L K D      Y P V T V A V N L Q</p> <p>D E K H C K A L W S      L F L A Q R W I E Q      L K T V A G S K M Q      T L L E D V N T E I</p> <p>H F V T S C T F Q P      L P E C L R F V Q T      N I S H L L K D T C      T Q L L A L K P C I</p> <p>G K A C Q N F S R C      L E V Q C Q P D S S      T L L P P R S P I A      L E A T E L P E P R</p> <p>P R</p>
<b>Biological Activity</b>	<p>1. Measured in a cell proliferation assay using BaF3 mouse proB cells transfected with mouse Flt3 and the ED<sub>50</sub> is typically 1-30 ng/mL.</p> <p>2. Mouse FLT3 Ligand, hFc Tag captured on CM5 Chip via Protein A can bind Human FLT3, His Tag with an affinity constant of 13.81 nM as determined in SPR assay (Biacore T200).</p>
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The FLT3LG protein acts as a potent stimulator, fostering the proliferation of early hematopoietic cells through the activation of FLT3. Exhibiting synergistic effects, particularly in its soluble isoform, this homodimeric protein collaborates
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effectively with various colony-stimulating factors and interleukins. Its role in promoting the expansion and differentiation of hematopoietic progenitor cells underscores its significance in orchestrating key processes within the hematopoietic system.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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