

## Animal-Free FLT3LG Protein, Mouse (His)

Cat. No.:	HY-P700177AF
Synonyms:	rMuFlt-3 Ligand, His; Fms-related tyrosine kinase 3 ligand; SL cytokine; Flt3lg
Species:	Mouse
Source:	E. coli
Accession:	P49772 (G27-R188)
Gene ID:	14256
Molecular Weight:	Approximately 19.3 kDa

### PROPERTIES

AA Sequence	M 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 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 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 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 R
Biological Activity	Measure by its ability to induce proliferation in BaF3 cells transfected with mouse Flt-3. The ED <sub>50</sub> for this effect is <2 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a solution containing 1X PBS, pH 7.4.
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	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 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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