

FLT3LG Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70563
Synonyms:	Fms-related tyrosine kinase 3 ligand (Flt3L); SL cytokine; Flt3 ligand;
Species:	Mouse
Source:	HEK293
Accession:	P49772 (G27-R188)
Gene ID:	14256
Molecular Weight:	Approximately 22-33 kDa

PROPERTIES

AA Sequence	<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>
Biological Activity	Measured in a cell proliferation assay using K562 cells. The ED ₅₀ this effect is 4.628 ng/mL, corresponding to a specific activity is 2.1608×10 ⁵ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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
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system.

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

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