

## FLT3LG Protein, Human (CHO)

Cat. No.:	HY-P7111
Synonyms:	rHuFlt-3 Ligand; Flt3 ligand; FL; SL cytokine; Flt-3L
Species:	Human
Source:	CHO
Accession:	P49771 (T27-P185)
Gene ID:	2323
Molecular Weight:	18-22 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>T Q D C S F Q H S P    I S S D F A V K I R    E L S D Y L L Q D Y    P V T V A S N L Q D</p> <p>E E L C G G L W R L    V L A Q R W M E R L    K T V A G S K M Q G    L L E R V N T E I H</p> <p>F V T K C A F Q P P    P S C L R F V Q T N    I S R L L Q E T S E    Q L V A L K P W I T</p> <p>R Q N F S R C L E L    Q C Q P D S S T L P    P P W S P R P L E A    T A P T A P Q P P</p>
<b>Biological Activity</b>	The ED <sub>50</sub> is <1 ng/mL as measured by human AML5 cells, corresponding to a specific activity of >1 × 10 <sup>6</sup> units/mg.
<b>Appearance</b>	Lyophilized powder
<b>Formulation</b>	Lyophilized after extensive dialysis against PBS.
<b>Endotoxin Level</b>	<0.2 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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<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>	Fms-related tyrosine kinase 3 ligand is a type of cell factor, able to promote the generation and differentiation of hematopoietic stem cells and their progenitor cells. The mRNA of Fms-related tyrosine kinase 3 ligand is highly expressed in certain tissues, including peripheral blood mononuclear cells, the heart, placenta, lung, spleen and thymus tissue, and is also expressed to a certain extent in non-hematopoietic tissues, including the prostate, testis, ovaries, intestines, liver, kidney and skeletal muscle <sup>[1]</sup> .
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## REFERENCES

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[1]. Li F, et al. Fms-related tyrosine kinase 3 ligand promotes proliferation of placenta amnion and chorion mesenchymal stem cells in vitro. Mol Med Rep. 2014 Jul;10(1):322-8.

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

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