



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## GFM6 Recombinant Mouse FLT-3 Ligand

### Description

Fms-related tyrosine kinase 3 ligand (FLT-3 Ligand) is a growth factor that regulates hematopoietic cell proliferation. FLT-3 Ligand signalling is transmitted through the fms-related tyrosine kinase 3 (FLT-3) receptor. FLT-3 Ligand promotes the long-term expansion and differentiation of pro-B cells in the presence of Interleukin-7 (IL-7) or in combination of IL-7 and Interleukin-3 (IL-3).

<b>Length</b>	163 aa
<b>Molecular Weight</b>	18.6 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	P49772
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

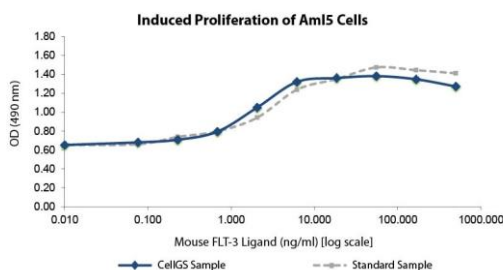
### Specifications

<b>Alternative Names</b>	Flt3 L, Fms-related tyrosine kinase 3 ligand, Flt3 ligand, SL cytokine, FL, flt3L, FLT3L
<b>Biological Activity</b>	Mouse FLT-3 Ligand is fully biologically active when compared to standard. The activity is determined by the proliferation of Aml5 cells and it is typically less than 10 ng/ml. This corresponds to an expected specific activity of $1 \times 10^5$ units/mg.
<b>Endotoxin Level</b>	≤1.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
<b>AA Sequence</b>	MTPDCYFSHS PISNFKVKF RELTDHLLKD YPVTVAVNLO DEKHCKALWS LFLAQRWIEQ LKTVAGSKMQ TLEEDVNTEI HFVTSCFQ LPECLRFVQT NISHLLKDTC TQLLALKPCI GKACQNFSRC LEVQCQPDSS TLLPPRSPIA LEATELPEPR PRQ

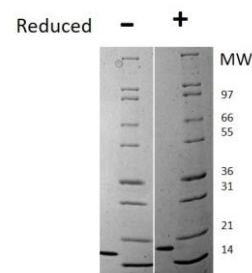
### Preparation and Storage

<b>Reconstitution</b>	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

### Data



Induced proliferation of Aml5 cells assay for Mouse FLT-3 Ligand. Cell proliferation was measured to calculate the ED50, which is as expected less than 10 ng/ml.



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane. Mouse FLT-3 Ligand has a predicted Mw of 18.6 kDa.