

# Active Recombinant Mouse Flt3l Protein (Gly27-Arg188), C-His tagged, Animal-free, Carrier-free

**Cat. No.** Flt3l-26M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Flt3l Protein (Gly27-Arg188) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly27-Arg188
<b>Description</b>	Fms-related tyrosine kinase-3 ligand (Flt-3 Ligand) is a protein which is encoded by the Flt3lg gene in mouse. As an important regulator of hematopoiesis, Flt-3 ligand has a tyrosine-protein kinase activity that stimulate the proliferation of hematopoietic progenitor cells of both lymphoid and myeloid origin. Flt-3 ligand can synergistically increase the proliferation of immature progenitors with other cytokines such as GM-CSF, G-CSF, IL-3, EPO, IL-11, IL-12, IL-6 or TPO. Flt-3 ligand is expressed by a variety of hematopoietic progenitor cells including immature hematopoietic and marrow stromal cells.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measure by its ability to induce proliferation in BaF3 cells transfected with mouse Flt-3. The ED50 for this effect is < 2 ng/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 19.3 kDa.

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	The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).
<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE analysis.
<b>Storage</b>	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Flt3l FMS-like tyrosine kinase 3 ligand [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Flt3l</a>
<b>Synonyms</b>	Flt3l; FMS-like tyrosine kinase 3 ligand; Ly72L; Flt3lg; fms-related tyrosine kinase 3 ligand; flt3 ligand
<b>Gene ID</b>	<a href="#">14256</a>

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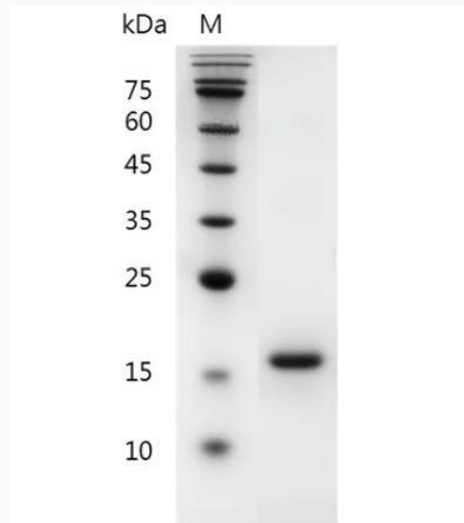
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mRNA Refseq [NM\\_013520](#)

Protein Refseq [NP\\_038548](#)

UniProt ID [P49772](#)

**SDS-PAGE analysis  
of recombinant  
mouse Flt-3 Ligand.**



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