

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

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

SPECIFICATION

Product Overview	Recombinant Mouse Flt3l Protein (Gly27-Arg188) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Gly27-Arg188
Description	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.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in BaF3 cells transfected with mouse Flt-3. The ED50 for this effect is < 2 ng/mL.
Molecular Mass	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).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	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.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	Flt3l FMS-like tyrosine kinase 3 ligand [Mus musculus (house mouse)]
Official Symbol	Flt3l
Synonyms	Flt3l; FMS-like tyrosine kinase 3 ligand; Ly72L; Flt3lg; fms-related tyrosine kinase 3 ligand; flt3 ligand
Gene ID	14256

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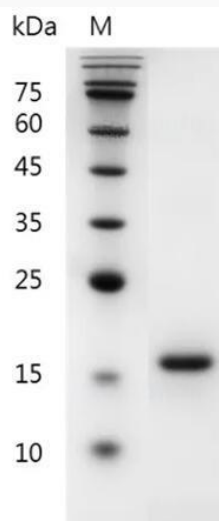
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mRNA Refseq [NM_013520](#)

Protein Refseq [NP_038548](#)

UniProt ID [P49772](#)

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



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