


Mouse Flt-3 Ligand protein

Cat #: PRP1149

Size: 5µg/20µg/100µg/1mg

Product Information

	Product Name: Mouse Flt-3 Ligand protein		
REF	Catalog Number: PRP1149	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E.coli
	Shipping: The product is shipped at ambient temperature		

Background: Fms-associated tyrosine kinase 3 ligand (Flt-3L) is a one-way type I membrane protein. Flt3-L is a hematopoietic quadruplex bundle cytokine, which is structurally homologous to stem cell factor and colony stimulating factor. Flt-3L has a good synergistic effect with many other colony stimulating factors and interleukin. Flt3L stimulates the proliferation and differentiation of various blood cell progenitor cells by activating FLT3.

Sequence: Amino acid sequence derived from Mouse Flt-3 Ligand (Gly27-Arg188)(P49772) with 6×His tag at the C-terminus was expressed.

Protein length: The secreted Mouse Flt-3 Ligand consists of 162 amino acids and has a predicted molecular mass of 19.3 kDa.

Biological Activity: Measure by its ability to induce proliferation in BaF3 cells transfected with Mouse Flt-3 Ligand. The ED₅₀ for this effect is <2 ng/mL.

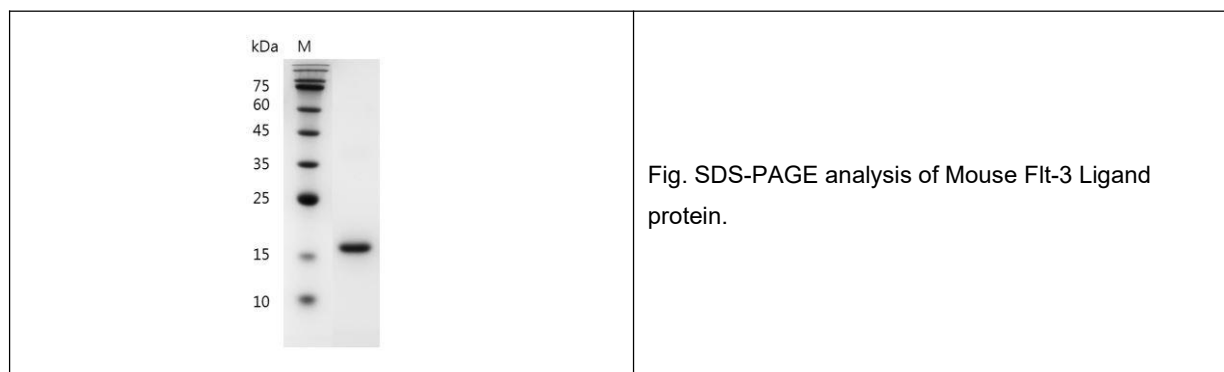
Endotoxin: < 0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Mouse Flt-3 Ligand protein to a concentration of 0.1-1 mg/mL in sterile ddH₂O, and keep at room temperature for at least 20 min to fully dissolve.

Please avoid vortex vigorously.



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