

Mouse CXCL12 Protein, His tag (Animal-Free)

Cat #: PRP1187

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Mouse CXCL12 Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1187	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: C-X-C motif chemokine 12 (CXCL12) also named stromal cell-derived factor 1 (SDF-1), which is a chemokine of the intercrine alpha family. CXCL12 has a key role in controlling the immune responses which is often induced by the lipopolysaccharide or IL-1. CXCL12 also activates the leukocytes during inflammation. CXCL12 induces the migration and proliferation of cells like hematopoietic progenitor, stem cells and leukocytes.

Sequence: Amino acid sequence derived from Mouse CXCL12 (Gly21-Lys89) (P40224) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Mouse CXCL12 consists of 69 amino acids and predicts a molecular mass of 8.97 kDa.

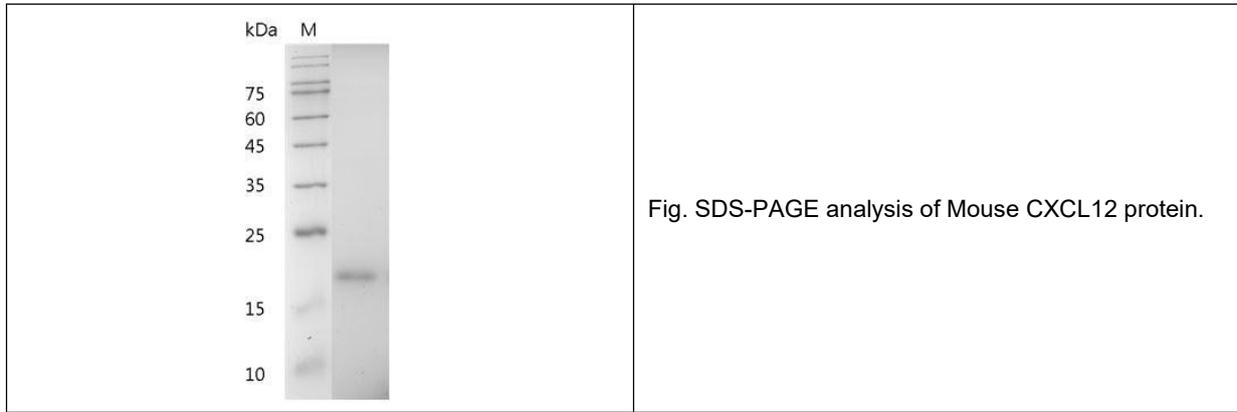
Biological Activity: Measured by its ability to chemoattract BaF3 cells transfected with human CXCR4. The ED₅₀ for this effect is <0.5 ng/mL.

Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

Formulation: Lyophilized from 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 recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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