


Rat IL-1 β protein

Cat #: PRP1219

Size: 5 μ g /20 μ g/100 μ g/1 mg

Product Information

	Product Name: Rat IL-1 β protein		
REF	Catalog Number: PRP1219	LOT	Lot Number: Refer to product label
	Purity: >98% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: <i>E.Coli</i>
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin-1 β (IL-1 β) also known as catabolin, is a member of the interleukin 1 cytokine family. IL-1 β is a proinflammatory cytokine produced in a variety of cells, including monocytes, tissue macrophages, keratinocytes, and other epithelial cells. IL-1 β is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by Interleukin 1 β in the central nervous system (CNS). IL-1 β gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

Sequence: Amino acid sequence derived from Rat IL-1 β protein (Q63264) (Val117-Ser268) was expressed.

Protein length: The recombinant Rat IL-1 β protein consists of 152 amino acids and has a predicted molecular mass of 17.4 kDa.

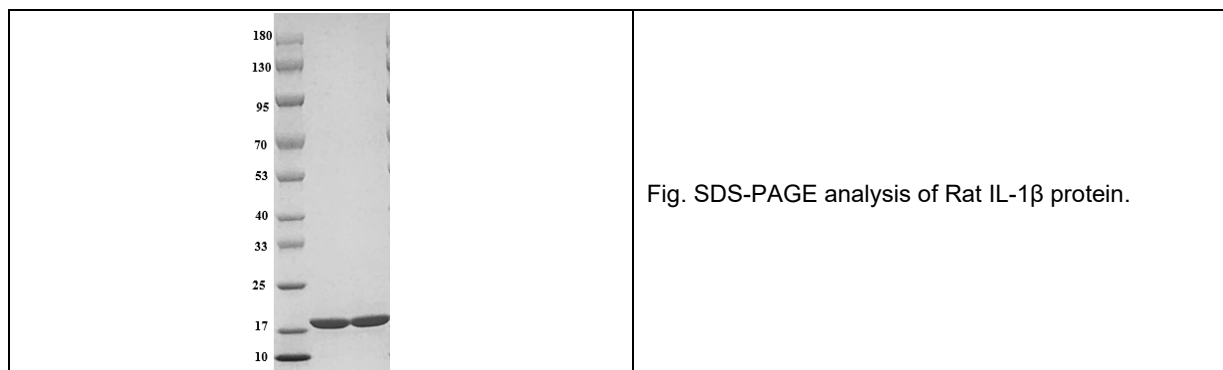
Biological Activity: Immobilized Rat IL-1 β at 1 μ g/mL (100 μ l/well) can bind Mouse IL-1R1 with a linear range of 22.86 ug/mL.

Endotoxin: < 1.0 EU per μ g of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris with 150 mM NaCl, pH 7.4.

Storage Instructions: Lyophilized Rat IL-1 β 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 (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Rat IL-1 β protein using the buffer we provided not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.



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