

Human IL-1RA Protein, His tag (Animal-Free)

Cat #: PRP1124

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-1RA Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1124	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: Interleukin 1 receptor antagonist (IL-1RA) is expressed by peripheral blood cells, lungs, spleen, liver and is secreted from monocytes, macrophages, neutrophils, and other cells. Inhibits the activity of interleukin-1 by binding to receptor IL1R1. IL-1RA can modulate a variety of interleukin-1 related immune and inflammatory responses, particularly in the acute phase of infection and inflammation.

Sequence: Amino acid sequence derived from Human IL-1RA (Arg26-Glu177) (P18510) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-1RA consists of 152 amino acids and predicts a molecular mass of 18.07 kDa.

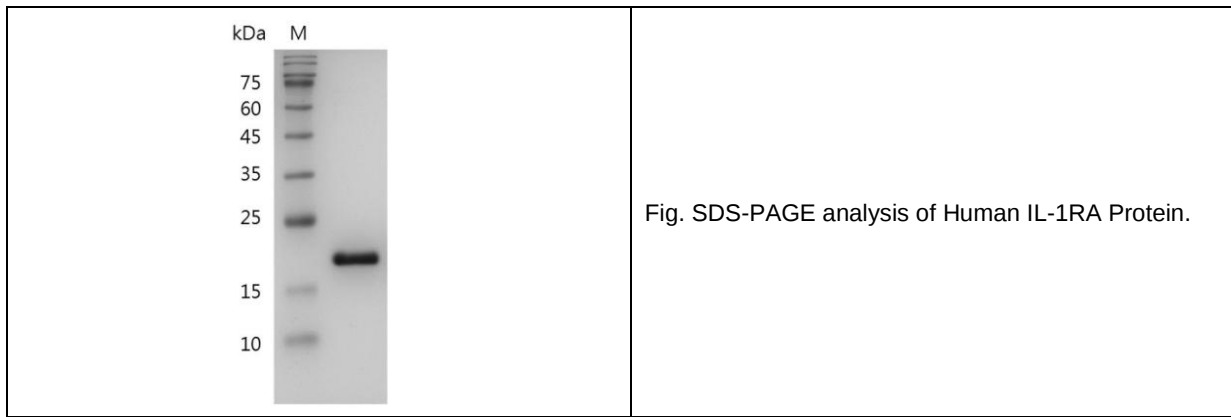
Biological Activity: Measured by its ability to inhibit IL-1 alpha -dependent proliferation in D10.G4.1 cells. The ED₅₀ for this effect is < 50 ng/mL.

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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