

Human IL-36RA Protein, His tag (Animal-Free)

Cat #: PRP1195

Size: 5 µg/20 µg/100 µg/1 mg

Product Information

	Product Name: Human IL-36RA Protein, His tag (Animal-Free)		
REF	Catalog Number: PRP1195	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-36 (IL-36) is a pro-inflammatory cytokine which plays an important role in the pathophysiology of several diseases. IL-36 α , IL-36 β , and IL-36 γ (formerly IL-1F6, IL-1F8, and IL-1F9) are IL-1 family members that signal through the IL-1 receptor family members IL-1Rrp2 (IL-1RL2) and IL-1RAcP. IL-36 γ is secreted when transfected into 293-T cells and it could constitute part of an independent signaling system analogous to interleukin-1 alpha (IL-1A), beta (IL-1B) receptor agonist and interleukin-1 receptor type I (IL-1R1). IL-36RA can antagonize IL-36 by binding to the IL-1Rrp2 receptor α , β or γ Induce NF-RrpB signaling to prevent the initiation of functional signals.

Sequence: Amino acid sequence derived from Human IL-36RA (Met1-Asp155) (Q9UBH0) was expressed with 6×His tag at the C-terminus.

Protein length: The recombinant Human IL-36RA consists of 155 amino acids and predicts a molecular mass of 17.77 kDa.

Biological Activity: Measured by its ability to inhibit IL-36 gamma-induced IL-8 secretion in PBMC cells. The ED₅₀ for this effect is <2 ng/mL in the presence of 500 ng/mL of recombinant human IL-36 gamma.

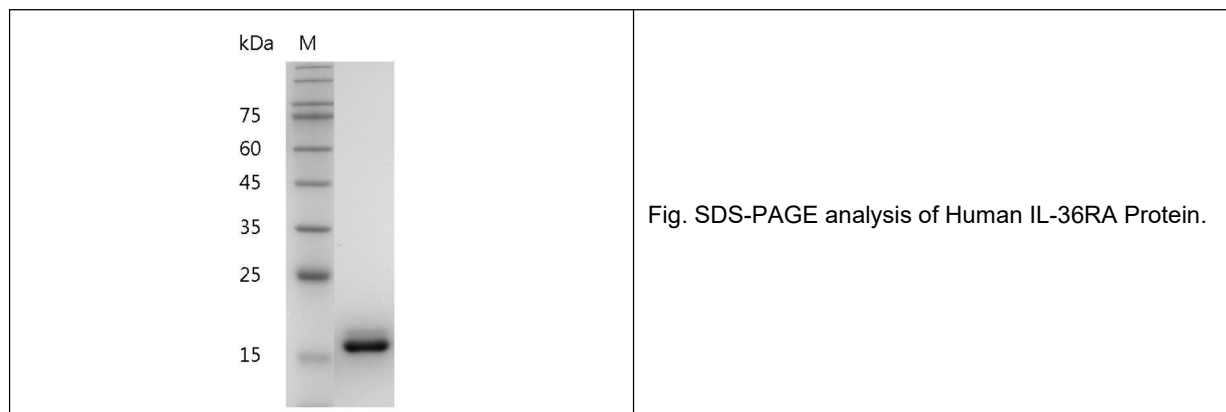
Endotoxin: <0.1 EU per 1 µg of the protein by the LAL method.

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.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.