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Product Sheet

Human IL-10 Protein; His Tag

GM-88696RP-100 / 100 μg
GM-88696RP-1000 / 1 mg

Product Information

Product Name	Human IL-10 Protein; His Tag
Source	Human IL-10 Protein; His Tag (GM-88696RP) is expressed from human 293 cells (HEK-293). It contains AA Ser 19 - Asn 178 (Accession # P22301). This protein carries a His tag at the N-terminus.
Predicted MW	19.5 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	CSIF, IL-10, IL10A, TGIF, B-TCGF, GVHDS, MGC126450, MGC126451, RP11-262N9.1, Interleukin-10
Background	Interleukin-10 (IL-10) is a member of the class II cytokine family (IL10), which signals through association with the IL-10 receptor complex (IL-10R1/IL-10R2). IL-10 functions as an anti-inflammatory cytokine produced by macrophages, monocytes, T cells, B cells, and keratinocytes. These proteins are significantly upregulated in inflamed intestinal tissues, and their pathogenetic importance for inflammatory bowel disease (IBD) is suggested by accumulating evidence. IL-10/IL-10R signaling induces inhibitory signals to activated lymphocytes, including gut-specific populations of CD4+ T cells, affecting Th1 and Th17 effector pathways and inducing the mucosal downregulation of proinflammatory cytokines such as IFN-γ, IL-2, and TNF-α.

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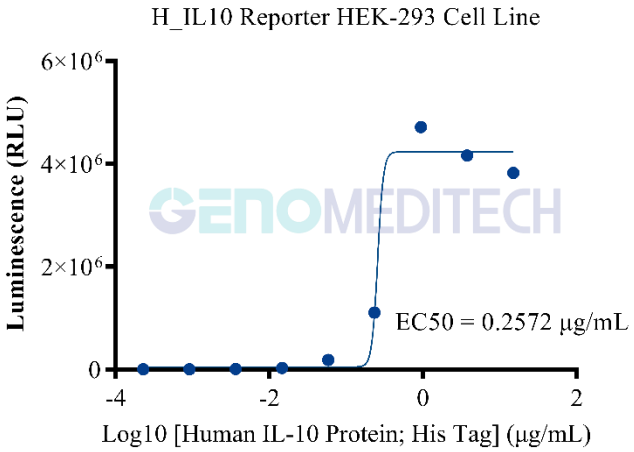
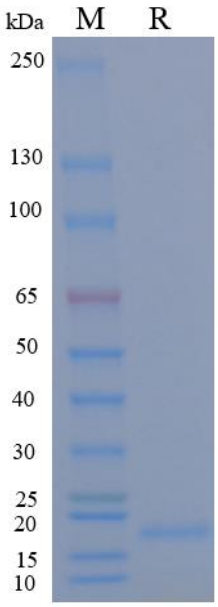
Data

Biological Activity



Human IL-10 Protein; His Tag (Catalog # GM-88696RP) was added into H_IL10 Reporter HEK-293 Cell Line (Catalog # GM-C06719) and stimulates related signals.

Purity



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Related Products

IL-10	
H_IL10 Reporter HEK-293 Cell Line	H_IL10RA CHO-K1 Cell Line
Cynomolgus IL-10 Protein; hFc Tag	Cynomolgus IL-10 Protein; His Tag