

Recombinant Human Interleukin 10, His-tagged

Cat. No. IL10-364H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Recombinant Interleukin-10 produced in E. coli is single, a non-glycosylated, Polypeptide chain containing 160 amino acids fragment (19-178) and having a total MW 18.6kDa with an amino-terminal hexahistidine tag.
Species	Human
Source	E.coli
Description	Interleukin-10 (IL-10 or IL10), also known as human cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine. In humans IL-10 is encoded by the IL10 gene. This cytokine is produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II antigens, and costimulatory molecules on macrophages.
Form	Interleukin-10 His is supplied in 1 x PBS and 50% glycerol.
Purity	Greater than 95.0% as determined by analysis by RP-HPLC and SDS-PAGE.
Storage	Store at 2-4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze-thaw cycles.
Official Symbol	IL10
Pathways	African trypanosomiasis; Allograft rejection; Amoebiasis; Asthma; Autoimmune

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thyroid disease; Chagas disease (American trypanosomiasis); Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response; IL4-mediated signaling events; Intestinal immune network for IgA production; Jak-STAT signaling pathway; Leishmaniasis; Malaria; Pertussis; Regulation of nuclear SMAD2/3 signaling

GENE INFORMATION

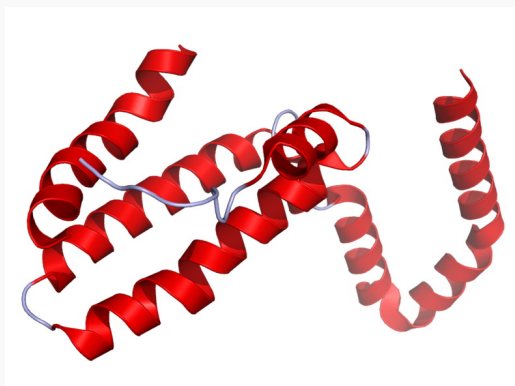
Gene Name	IL10 interleukin 10 [Homosapiens]
Synonyms	IL10; interleukin 10; CSIF; TGIF; IL-10; IL10A; MGC126450; MGC126451; interleukin-10; OTTHUMP00000034567; T-cell growth inhibitory factor; cytokine synthesis inhibitory factor ; Interleukin-10; Cytokine synthesis inhibitory factor
Gene ID	3586
mRNA Refseq	NM_000572
Protein Refseq	NP_000563
MIM	124092
UniProt ID	P22301
Chromosome Location	1q31-q32
Function	cytokine activity; growth factor activity; interleukin-10 receptor binding

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PDB rendering
based on 2H24.



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