

## Recombinant Human Interleukin 10, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>Form</b>	Interleukin-10 His is supplied in 1 x PBS and 50% glycerol.
<b>Purity</b>	Greater than 95.0% as determined by analysis by RP-HPLC and SDS-PAGE.
<b>Storage</b>	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.
<b>Official Symbol</b>	IL10
<b>Pathways</b>	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

<b>Gene Name</b>	IL10 interleukin 10 [ <a href="#">Homo sapiens</a> ]
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">3586</a>
<b>mRNA Refseq</b>	<a href="#">NM_000572</a>
<b>Protein Refseq</b>	<a href="#">NP_000563</a>
<b>MIM</b>	<a href="#">124092</a>
<b>UniProt ID</b>	<a href="#">P22301</a>
<b>Chromosome Location</b>	1q31-q32
<b>Function</b>	cytokine activity; growth factor activity; interleukin-10 receptor binding

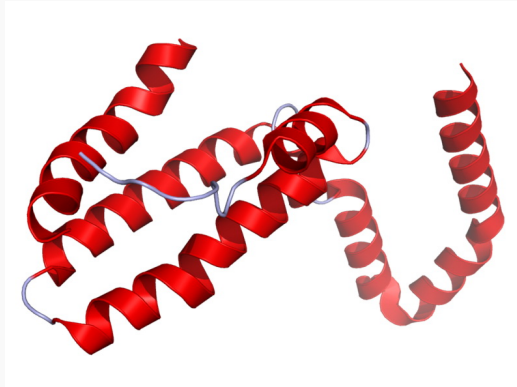
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based on 2H24.



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