

Recombinant Human Interleukin 10, His-tagged

Cat. No. IL10-530H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant IL10 protein, fused to His-tag at N-terminus, was expressed in E. coli and was purified by conventional chromatography techniques.
Species	Human
Source	Human
Description	Interleukin-10 (IL 10) is also known as human cytokine synthesis inhibitory factor (CSIF) and inhibits the synthesis of pro-inflammatory cytokines like IFN-gamma, IL2, IL3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. This protein has effects in immunoregulation and inflammation and down-regulates the expression of Th1 cytokines, MHC class II proteins, and costimulatory molecules on macrophages.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 20% glycerol.
Purity	> 95% by SDS - PAGE
Sequence	19-178 amino acids: MGSSHHHHHH SSGLVPRGSH MSPGQGTQSE NSCTHFPGNL PNMLRDLRDA FSRVKTFFQM KDQLDNLLLK ESLLDFKGY LGCQALSEMI QFYLEEVMPO AENQDPDIKA HVNSLGENLK TLRLRLRRCH RFLPCENKSK AVEQVKNAFN KLQEKGIYKA MSEFDIFINY IEAYMTMKIR N

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Molecular Mass	20.94 kDa (181 aa), confirmed by MALDI-TOF.
Applications	SDS-PAGE
Endotoxin Levels	< 1.0 EU per ug of protein (determined by LAL method)
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL10 interleukin 10 [Homo sapiens]
Official Symbol	IL10
Synonyms	CSIF; IL10A; MGC1264 50; MGC126451; TGIF; B-TCGF; IL-10; Cytokine synthesis inhibitory factor; Interleukin-10 precursor; IL10; interleukin 10
Gene ID	3586
mRNA Refseq	NM_000572
Protein Refseq	NP_000563
MIM	124092
UniProt ID	P22301
Chromosome Location	1q31-q32
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; T cell receptor

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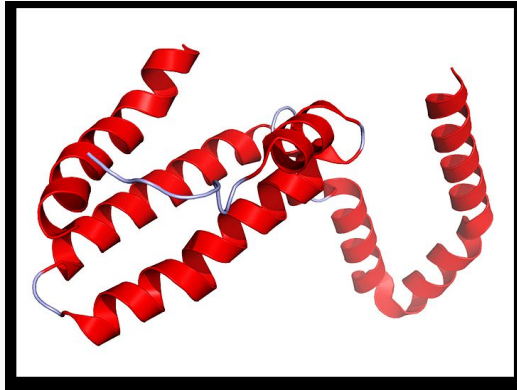
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signaling pathway

Function

cytokine activity; interleukin-10 receptor binding; protein binding

**PDB rendering
based on 2H24.**



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