

**AR50032PU-S****Human Interleukin-10 / IL10 (19-178, His-tag) - Purified**

<b>Alternate names:</b>	CSIF, Cytokine synthesis inhibitory factor, IL-10, TGIF
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.5 mg/ml (determined by Bradford assay)
<b>Background:</b>	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 antigens, and costimulatory molecules on macrophages.
<b>Uniprot ID:</b>	<a href="#">P22301</a>
<b>NCBI:</b>	<a href="#">NP_000563</a>
<b>GeneID:</b>	<a href="#">3586</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol <b>Endotoxin Level:</b> < 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Description:</b>	Recombinant IL10 protein, fused to His-tag at N-terminus, was expressed in E.coli and was purified by conventional chromatography techniques. <b>AA Sequence:</b> <u>MGSSHHHHHH SSGLVPRGSH</u> MSPGQGTQSE NSCTHFPGNL PNMLRDLRDA FSRVKTFEQM KDQLDNLLLK ESLEDFKGY LGCQALSEMI QFYLEEVMPQ AENQDPDIKA HVNSLGENLK TLRLRLRRCH RFLPCENKSK AVEQVKNAFN KLQEKGIYKA MSEFDIFINY IEAYMTMKIR N <b>Molecular weight:</b> 20.94 kDa (181 aa), confirmed by MALDI-TOF.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Moore KW., et al. (2001). Annu. Rev.Immunol. 19: 683-765. Mocellin S., et al. (2004). Trends Immunol. 24 (1): 36-43.

Pictures:

