

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

Alternate names:	CSIF, Cytokine synthesis inhibitory factor, IL-10, TGIF
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P22301
NCBI:	NP_000563
GeneID:	3586
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol Endotoxin Level: < 1.0 EU per 1 microgram of protein (determined by LAL method)
Description:	Recombinant IL10 protein, fused to His-tag at N-terminus, was expressed in E.coli and was purified by conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH SSGLVPRGSH</u> MSPGQGTQSE NSCTHFPGNL PNMLRDLRDA FSRVKTTFFQM KDQLDNLLLK ESLEDFKGY LGCQALSEMI QFYLEEVMPQ AENQDPDIKA HVNSLGENLK TLRLRLRRCH RFLPCENKSK AVEQVKNAFN KLQEKGIYKA MSEFDIFINY IEAYMTMKIR N Molecular weight: 20.94 kDa (181 aa), confirmed by MALDI-TOF.
Storage:	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.
General Readings:	Moore KW., et al. (2001). Annu. Rev.Immunol. 19: 683-765. Mocellin S., et al. (2004). Trends Immunol. 24 (1): 36-43.

Pictures:

