

## Recombinant Human IL10 Protein

Cat. No. IL10-46H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	This recombinant protein contains full length of Human interleukin 10 without tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene is a cytokine 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 Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. Mutations in this gene are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.
<b>Form</b>	Affinity purified, liquid
<b>Molecular Mass</b>	21 kDa
<b>Purity</b>	>95% pure by SDS-PAGE
<b>Applications</b>	Suitable for use in ELISA, WB and other immune tests

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<b>Storage</b>	Upon receipt, store at 2-8 centigrade.
<b>Storage Buffer</b>	Phosphate saline, pH 8, and 8 M Urea
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	IL10 interleukin 10 [ Homo sapiens (human) ]
<b>Official Symbol</b>	IL10
<b>Synonyms</b>	IL10; interleukin 10; CSIF; TGIF; GVHDS; IL-10; IL10A; interleukin-10; T-cell growth inhibitory factor; cytokine synthesis inhibitory factor
<b>Gene ID</b>	3586
<b>mRNA Refseq</b>	NM_000572
<b>Protein Refseq</b>	NP_000563
<b>MIM</b>	124092
<b>UniProt ID</b>	P22301

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