

## Recombinant Human IL10, GST-tagged

Cat. No. IL10-14140H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IL10 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	19-178a.a.
<b>Description</b>	<p>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.</p>
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

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## GENE INFORMATION

<b>Gene Name</b>	IL10 interleukin 10 [ Homo sapiens ]
<b>Official Symbol</b>	IL10
<b>Synonyms</b>	IL10; interleukin 10; interleukin-10; CSIF; cytokine synthesis inhibitory factor; IL 10; IL10A; T cell growth inhibitory factor; TGIF; T-cell growth inhibitory factor; GVHDS; IL-10; MGC126450; MGC126451;
<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
<b>Chromosome Location</b>	1q31-q32
<b>Pathway</b>	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Asthma, organism-specific biosystem;
<b>Function</b>	cytokine activity; growth factor activity; interleukin-10 receptor binding;

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