

Recombinant Human IL10 protein, His & T7-tagged

Cat. No. IL10-839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL10 aa. (Ser19~Asn178 (Accession # P22301)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser19~Asn178
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Characteristic	The isoelectric point is 8.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	IL10 interleukin 10 [Homo sapiens (human)]
Official Symbol	IL10
Synonyms	IL10; interleukin 10; CSIF; TGIF; GVHDS; IL-10; IL10A; interleukin-10; T-cell growth inhibitory factor; cytokine synthesis inhibitory factor
Gene ID	3586
mRNA Refseq	NM_000572.2

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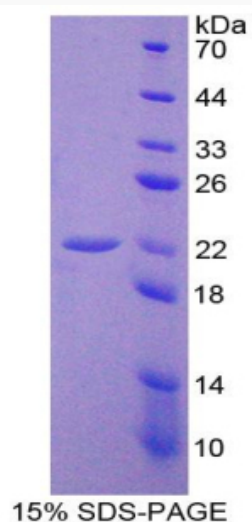
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Protein Refseq NP_000563.1

UniProt ID P22301

SDS-PAGE



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