



[Go to Product page](#)

Datasheet for ABIN7491255

## IL-10 Protein (AA 19-178) (His tag)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	IL-10 (IL10)
Protein Characteristics:	AA 19-178
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-10 protein is labelled with His tag.

#### Product Details

Purpose:	Recombinant Human IL10 protein with N-terminal 6xHis tag
Specificity:	6xHis tag IL10 (Ser19-Asn178)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

#### Target Details

Target:	IL-10 (IL10)
Alternative Name:	IL10 ( <a href="#">IL10 Products</a> )
Background:	The protein encoded by this gene is a cytokine produced primarily by monocytes and to a lesser

## Target Details

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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. [provided by RefSeq, May 2020]

**Molecular Weight:** predicted molecular mass of 19.5 kDa after removal of the signal peptide. The apparent molecular mass of His-IL10 is 15-25 kDa due to glycosylation.

**UniProt:** [P22301](#)

**Pathways:** [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Production of Molecular Mediator of Immune Response](#), [Maintenance of Protein Location](#), [Cancer Immune Checkpoints](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Buffer:** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

**Storage:** -20 °C,-80 °C

**Storage Comment:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

**Expiry Date:** 12 months



### SDS-PAGE

**Image 1.** Human IL10 Protein, His Tag on SDS-PAGE under reducing condition.