

## 32-18104: Recombinant Human IL10 Protein, His Tag

**Uniprot ID :** P22301

**Alternative Name :** CSIF; GVHDS; IL-10; IL10A; TGIF

### Description

Molecular Characterization: 6 $\text{Å}$ —His tag IL10(Ser19-Asn178)

Molecular weight: The protein has a predicted molecular mass of 19.5 kDa after removal of the signal peptide. The apparent molecular mass of His-IL10 is approximately 15-25 kDa due to glycosylation.

Description: Recombinant Human IL10 protein with N-terminal 6 $\text{Å}$ —His tag

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.

### Product Info

**Amount :** 100  $\mu\text{g}$  / 50  $\mu\text{g}$

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

**Storage condition :** 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.