

**HUMAN IL10 PROTEIN, HIS TAG**

货号: 11824

产品全名: 人 IL10 蛋白

规格: 10/50/100 µg

基因符号 CSIF;GVHDS;IL-10;IL10A;TGIF

目标蛋白: IL10

**UNIPROT ID:** P22301

**描述:** Recombinant Human IL10 protein with N-terminal 6xHis tag

**背景:** 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. [provided by RefSeq, May 2020]

**物种/宿主:** HEK293

**分子量:** 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.

**分子特征:** 6×His tag IL10(Ser19-Asn178)

**纯化:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**储存和运输:** 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.

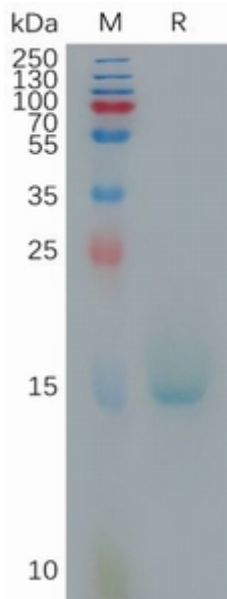


Figure 1. Human IL10 Protein, His Tag on SDS-PAGE under reducing condition.