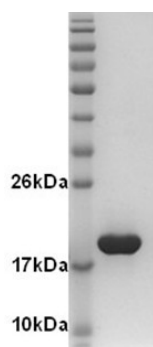




## Recombinant Human His-IL-10 protein

E13-019

<b>Catalog Number:</b>	E13-019-1, E13-019-2
<b>Amount:</b>	10µg, 50µg
<b>Product description:</b>	Human His-IL-10 produced in E. coli is non-glycosylated polypeptide chain containing 181 amino acids (22-181 a.a; predicted MW=20.9kDa). Protein was purified by Ni-NTA affinity column and gel filtration chromatography. Purity is greater than 98% by SDS-PAGE and Coomassie blue staining (Figure 1).
<b>Background:</b>	IL-10 (Interleukin-10), also called cytokine synthesis inhibitory factor (CSIF), is an anti-inflammatory cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. It has pleiotropic effects in immunoregulation and inflammation. IL-10 can enhance B cell survival, proliferation, and antibody production. IL-10 stimulates the growth of thymocytes and mast cells, and enhances the development of cytotoxic T cell. It suppress the expression of TH1 cytokines, class II MHC, and costimulatory molecules on macrophages. The functional receptor complex of IL-10 consists of IL-10 R1 and IL-10 R2. Binding to the receptor complex, IL-10 activated JAK1, TYK2, and STAT3.
<b>GenBank accession number:</b>	AAA63207
<b>Amino acid sequence:</b>	MGSSHHHHHSSGLVPRGSHMSPGQGTQSENSCTHFPGNLPNMLRDLRDAFSRVKTFQ MKDQLDNLLKESLLEDFKGYLGCQALSEMIQFYLEEVMQAENQDPDIKAHVNSLGENLKT LRLRLRRCHRFLPCENKSKAVEQVKNAFNKLQEKGIYKAMSEFDIFINYIEAYMTMKIRN
<b>Formulation:</b>	Lyophilized from a 0.22µm filtered solution at a concentration of 1mg/ml in PBS.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water to a concentration of 1.0 mg/ml.
<b>Shipping&amp;Stability:</b>	The Product is shipped at ambient temperature. Upon reconstitution, the preparation is stable for up to 1 month at 2-8°C. For long term storage, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.



**Figure 1.** The purity of recombinant protein human His-IL-10 (E13-019) was determined by 12% SDS-PAGE of 2µg reduced recombinant human His-IL-10.

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