

IL10

Recombinant Human Interleukin-10 (aa 19-178) His

Catalog No.	CRI174A	Quantity:	2 µg
	CRI174B		10 µg
	CRI174C		1.0 mg

Alternate Names: B-TCGF, CSIF, TGIF, IL-10, IL10A, Cytokine synthesis inhibitory factor.

Description: Interleukin-10 is a multifunctional cytokine produced by a variety of cell types including T helper cells, activated B cells, and activated macrophages. Interleukin-10 regulates immune-mediated inflammation and modulates the function of cells such as lymphocytes, monocytes, natural killer cells and dendritic cells. 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. Knockout studies in mice have shown that it is an essential immunoregulator in the intestinal tract.

Recombinant Human Interleukin-10 is a single, a non-glycosylated, polypeptide chain containing 181 amino acids (aa 19-178) and having a total molecular mass of 20.94 kDa including the 20 amino acid N-Terminal His tag.

Physical Appearance: Sterile Filtered clear solution.

GenelD: 3586

Source: *E. coli*

Molecular Mass: 20.94 kDa including the 20 amino acid N-terminal His tag

Formulation: Interleukin-10 His is supplied in 20 mM Tris HCL, pH-8 and 20% glycerol.

Purity: >95.0% by SDS-PAGE.

Purification: Purified by proprietary chromatographic techniques.

Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MSPGQGTQSE NSCTHFPGNL PNMLRDLRDA
FSRVKTFQMKDQLDNLLK ESLEDFKGY LGCQALSEMI QFYLEEVMQ
AENQDPDIKA HVNSLGENLK TLRLRLRRCH RFLPCENKSK AVEQVKNAFN
KLQEKGIYKA MSEFDIFINY IEAYMTMKIR N.

Storage & Stability: Store at 2-4°C if entire vial will be used within 2-4 weeks.
Store, frozen in aliquots at -20°C to -80°C for longer periods of time. **Please avoid freeze thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.