

**Interleukin-10, 19-178aa, Human, His-Tagged, Recombinant, E.coli**

**Cat.NO.: TP02677**

3th Edition

**Synonyms:**IL-10, CSIF, TGIF, IL10A

**Description:**Interleukin-10 (IL-10) is also known as human cytokine synthesis inhibitory factor (CSIF) and inhibits the synthesis of pro-inflammatory cytokines like IFN-gamma, IL2, IL3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. This protein has effects in immunoregulation and inflammation and downregulates the expression of Th1 cytokines, MHC class II antigens, and costimulatory molecules on macrophages.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

**Molecular Weight:**20.94 kDa (181 aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMSPGQGTQSENSCTHFPGNLPNMLRDLRDAFSRVKTFQMKDQLDNLLLKESLL  
EDFKGYLGCGALSEMIQFYLEEVMPPQAENQDPDIKAHVNSLGENLKTLLRLRLRRCHRFLPCENKSKAVEQVKNAFN  
KLQEKGIYKAMSEFDIFINYIEAYMTMKIRN

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.