

## 32-20365: Animal-Free Recombinant Human IL-10(Discontinued)

**Reactivity :** Human  
**Alternative Name :** B-TCGF, CSIF, TGIF

### Description

#### Source:E.coli

IL-10 is an immunosuppressive cytokine produced by a variety of mammalian cell types including macrophages, monocytes, T cells, B cells and keratinocytes. IL-10 inhibits the expression of proinflammatory cytokines such as IL-1 and TNF-Alpha . Like IL-4, IL-10 enhances humoral immune responses and attenuates cell-mediated immune reactions. Human IL-10 is active on murine cells, but murine IL-10 is inactive on human cells. Recombinant Human IL-10 is an 18.6 kDa protein of 161 amino acid residues.

### Product Info

**Amount :** 2 µg / 10 µg  
**Purification :** Purity:>= 98% by SDS-PAGE gel and HPLC analyses.  
**Content :** This recombinant protein is supplied in lyophilized form.  
**Amino Acid :** MSPGQGTQSE NSCTHFPGNL PNMLRDLRDA FSRVKTFQOM KDQLDNLLLK ESLLDFKGY LGCQALSEMI  
QFYLEEVMPO AENQDPDIKA HVNSLGENLK TLRLRLRRCH RFLPCENKSK AVEQVKNAFN KLQEKGIYKA  
MSEFDIFINY IEAYMTMKIR N

### Application Note

Determined by the dose-dependent co-stimulation (with human IL-4) of MC/9 cells. The expected ED<sub>50</sub> is <=2.0 ng/ml, corresponding to a specific activity of>= 5 x 10<sup>5</sup> units/mg.