

# Human IL10 Recombinant Protein



RPPB0551

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## Product Information    Protein Information

**Product SKU:**

RPPB0551

**Accession:**

P22301

**Host:**

Escherichia Coli.

**Protein description:**

Interleukin-10 Human Recombinant produced in E.coli is a single non-glycosylated polypeptide chains containing 161 amino acids each and having a molecular mass of 18.6kDa. The IL-10 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

B-TCGF, CSIF, TGIF, IL-10, IL10A, MGC126450, MGC126451, Cytokine synthesis inhibitory factor.

**Formulation:**

Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, pH 7.4.

**Purity:**

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Interleukin-10 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Interleukin-10 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL10 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

MSPGQGTQSE NSCTHFPGNL PNMLRDLRDA FSRVKTFQFM KDQLDNL LLLK ESLLDFKGY LGCQALSEMI QFYLEEVPQ AENQDPDIKA HVNSLGENLK TLRRLRRCH RFLPCENKSK AVEQVKNAFN KLQEKGIYKA MSEFDIFINY IEAYMTMKIR N.

**Biological Activity:**

The ED<sub>50</sub> as determined by the dose-dependent co-stimulation (with murine IL-4) of MC/9 cells was found to be less than 2.0ng/ml, corresponding to a specific activity of 5.0×10<sup>5</sup> IU/mg.