



## Interleukin-10 Mouse Recombinant

<b>Item Number</b>	rAP-0603
<b>Synonyms</b>	B-TCGF, CSIF, TGIF, IL-10, IL10A, MGC126450, MGC126451, Cytokine synthesis inhibitory factor.
<b>Description</b>	IL-10 Recombinant Mouse produced in E.coli is a single, non-glycosylated polypeptide chain containing 161 amino acids and having a molecular mass of 18785 Dalton. The Interleukin-10 Mouse is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P18893
<b>Amino Acid Sequence</b>	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ser-Arg-Gly-Gln.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-10 Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Interleukin10 Mouse recombinant 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
<b>Formulation and Purity</b>	The protein was lyophilized after extensive dialysis against PBS. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized IL-10 Mouse Recombinant in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The ED50 as determined by the dose-dependant co-stimulation with IL-4 of mouse MC-9 cells was found to be <math>2\text{ng/ml}</math>, corresponding to a Specific Activity of 500,000IU/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**