

Interleukin-10 Rat Recombinant

Item Number	rAP-0589
Synonyms	B-TCGF, CSIF, TGIF, IL-10, IL10A, MGC126450, MGC126451, Cytokine synthesis inhibitory factor.
Description	IL-10 Recombinant Rat produced in E.coli is a single, glycosylated polypeptide chain containing 160 amino acids and having a molecular mass of 18.6 kDa. The Interleukin-10 Mouse is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P29456
Amino Acid Sequence	SKGHSIRGDN NCTHFPVSQT HMLRELRAAF SQVKTFFQKK DQLDNILLTD SLLQDFKGYL GCQALSE-MIK FYLVEVMPQA ENHGPEIKEH LNSLGEKLT LWIQLRRCRHR FLPCENKSKA VEQVKNDFNK LQDKGVYKAM NEFDIFINCI EAYVTLKMKN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL-10 Rat although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Interleukin10 Rat 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 cycles.
Formulation and Purity	The protein was lyophilized containing 20mM Tris-HCl pH-8.0 and 100mM NaCl. Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL-10 Rat Recombinant in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose dependent inhibition of MC/9 proliferation is less than 10ng/ml concentration corresponding to a Specific Activity of 100,000IU/mg.
Shipping Format and Condition	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**