

Active Recombinant Rat IL10 protein

Cat. No. IL10-18R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat IL10 protein(P29456)(19-178 aa) was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	19-178 aa
Form	Lyophilized from a 0.2 µ filtered solution in 20 mM Tris-HCl, pH 8.0, 100 mM NaCl.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine MC/9-2 cells is less than 1.0 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^6$ IU/mg.
Molecular Mass	Approximately 18.6 kDa, a single non-glycosylated polypeptide chain containing 160 amino acids.
AASequence	SKGHSIRGDN NCTHFPVSQT HMLRELRAAF SQVKTFQKK DQLDNILLTD SLLQDFKGYL GCQALSEMIK FYLVEVMPQA ENHGPEIKEH LNSLGEKLKT LWIQLRRCHR FLPCENKSKA VEQVKNDFNK LQDKGVYKAM NEFDIFINCI EAYVTLKMKKN
Endotoxin	Less than 0.1 EU/g of rRtIL-10 as determined by LAL method.
Purity	> 95 % by SDS-PAGE analyse.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name IL10 interleukin 10 [*Rattus norvegicus*]

Official Symbol IL10

Synonyms IL10; interleukin 10; interleukin-10; CSIF; IL-10; cytokine synthesis inhibitory factor; IL10X;

Gene ID 25325

mRNA Refseq NM_012854

Protein Refseq NP_036986

SDS-PAGE

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