

Recombinant Mouse IL10 Protein

Cat. No. IL10-115M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Interleukin-10 is produced by our E.coli expression system and the target gene encoding Ser19-Ser178 is expressed.
Species	Mouse
Source	E.coli
ProteinLength	Ser19-Ser178
Description	Mouse IL10 is the prototypic member of the IL-10 cytokine family, including IL-10, IL-19, IL-20, IL-22 (IL-TIF), IL-24 and IL-26. Many viruses encode viral members of the IL-10 family, such as Epstein-Barr virus (EBV) and human cytomegalovirus (HCMV). Its main function is inhibiting the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. Although human and mouse IL-10 are 81% identical at the nucleotide and amino acid level, mouse IL-10 is species-specific and does not act on human cells. Interestingly, Human IL-10 is active on mouse cells.
Form	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
AA Sequence	MSRGQYSREDNNCTHFPVGQSHMLLELR TAFS QVK TFFQTKDQLDNILLTDSL MQD FKGYLG CQALSEMIQ FYLVEVMPQAE KHGPEIKEHLNSLGEK LKTLRMRLRRCHRF LPCENKSKAVEQVK SDFNKLQDQGVYKAMNEFDIFINCIEAY MMIKMKS
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95%
Storage	Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Statement	Purity: Greater than 95% as determined by reducing SDS-PAGE.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

GENE INFORMATION

Gene Name	IL10 interleukin 10 [<i>Mus musculus</i> (house mouse)]
Official Symbol	IL10
Synonyms	Interleukin-10; IL-10; Cytokine synthesis inhibitory factor; CSIF; If2a
Gene ID	16153
mRNA Refseq	NM_010548.2
Protein Refseq	NP_034678.1

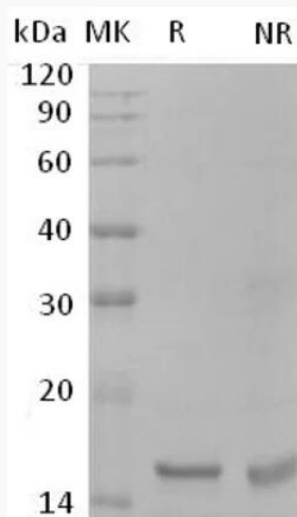
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UniProt ID P18893

SDS-PAGE



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