

## Recombinant Mouse IL-10

Catalog No: C697

Description Recombinant Mouse Interleukin-10 is produced by our E.coli expression system and the target gene

encoding Ser19-Ser178 is expressed.

Source **Human Cells** 

**Alternative** name

Interleukin-10;II10;IL-10;Cytokine synthesis inhibitory factor;CSIF;

P18893 Accession No.

**Formulation** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Reconstitution

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.

Greater than 95% as determined by reducing SDS-PAGE. **Quality Control** Purity:

Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test. Endotoxin:

**Shipping** The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

Storage Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.

> Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Amino Acid** Sequence

MSRGQYSREDNNCTHFPVGQSHMLLELRTAFSQVKTFFQTKDQLDNILLTDSLMQDFKGYLGCQALSEMIQ

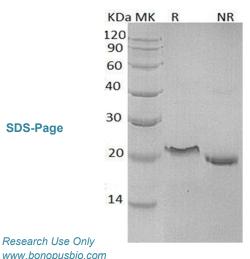
**FYLVEVMPQAE** 

KHGPEIKEHLNSLGEKLKTLRMRLRRCHRFLPCENKSKAVEQVKSDFNKLQDQGVYKAMNEFDIFINCIEAY

**MMIKMKS** 

**Background** 

Mouse II10 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 Tcells. 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.



SDS-Page





