

Catalog Number: HZ-1145

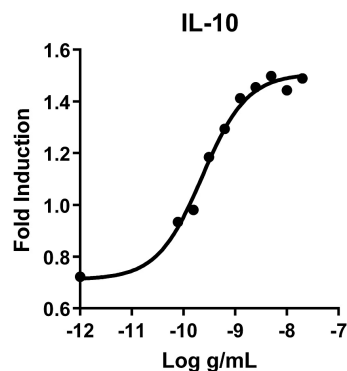
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

Species	Human
Expression	HEK293
Activity	Typically $\leq 1.5$ ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ $\mu$ g
Molecular Mass	17 kDa, non-disulfide bonded homodimer, glycosylated
Formulation	10mM Tris-HCl pH 7.4 + 150mM NaCl, See Certificate of Analysis for details
Gene ID	3586



The activity was determined by the dose-dependent stimulation of the proliferation of MC/9 cells (mouse mast cell line) in the presence of 200 pg/mL IL-4 using the Promega CellTiter96<sup>®</sup> Aqueous Non-Radioactive Cell Proliferation Assay.

## Reconstitution Buffer

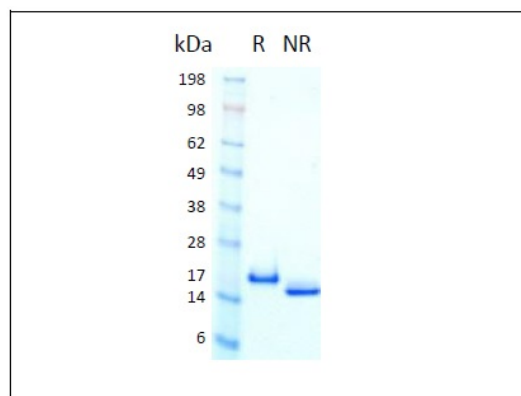
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

## Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

## Product Description

Animal-free Recombinant Human IL-10 is expressed in human 293 cells as a non-covalent homodimeric glycoprotein with an apparent molecular mass of 17 kDa. This cytokine is produced in a serum-free, chemically defined media. IL-10 is produced by a variety of mammalian cell types which includes T cells, B cells, macrophages, and keratinocytes monocytes. It is an anti-inflammatory cytokine with multiple, pleiotropic effects in inflammation and immunoregulation. Glycosylation contributes to stability in cell growth media and other applications. The cytokine is greater than 95% pure.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue. R represents reducing conditions and NR represents non-reducing conditions.

## Synonyms

B-TCGF, CSIF, TGIF IL 10, IL10, B TCGF, BTCGF

For technical support and original validation data for this product please contact:

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