

# Recombinant Human IL-2

Catalog Number: **HZ-1015**

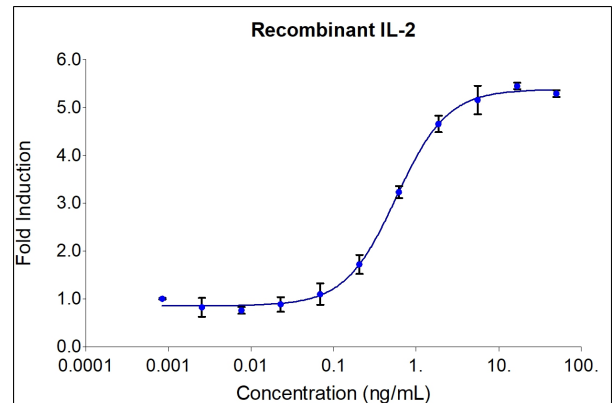
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

Species	human
Expression	HEK293
Activity	Typically $\leq 5$ ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ $\mu$ g
Molecular Mass	15 kDa, monomer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	3558



The activity was determined by the dose-dependent stimulation of the proliferation of mouse CTL-2 cells (mouse cytotoxic T cell line) using 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

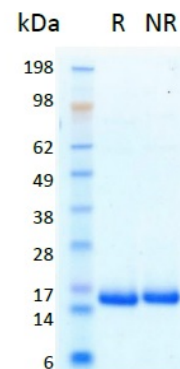
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted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

## Product Description

Animal-free Recombinant Human IL-2 is an O-glycosylated, four alpha-helix bundle cytokine. It is expressed by gamma T cells, CD4+ and CD8+ T cells, eosinophils, B cells, and dendritic cells. IL-2 has potent stimulatory activity for antigen-activated T cells. It is a monomeric glycoprotein with an apparent molecular mass of 15 kDa. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation, which contributes to stability in cell growth media.

## Synonyms

IL 2, IL2, IL-2, interleukin 2, lymphokine, T cell growth factor, TCGF



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

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

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