

## Recombinant Human IL-2 (Interleukin 2)

Catalog # (Size):    HZ-1015 (10µg)    HZ-1181 (100µg)    HZ-1182 (1000µg)

### Product Description

- Endotoxin-free
- Animal-derived product free
- High Activity
- Authentic Glycosylation
- Lyophilized and Carrier Free (CF)

Xeno-free IL-2<sup>HuXp</sup> 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.

### Typical Specifications

<b>Species</b>	Human
<b>Expression</b>	HEK293 Cell Expressed
<b>Activity</b>	Typically ≤ 5 ng/mL EC <sub>50</sub>
<b>Purity</b>	>95%
<b>Endotoxin</b>	<1 EU/µg
<b>Molecular Mass</b>	15 kDa, monomer, glycosylated
<b>Formulation</b>	1x PBS

### Purity Confirmation

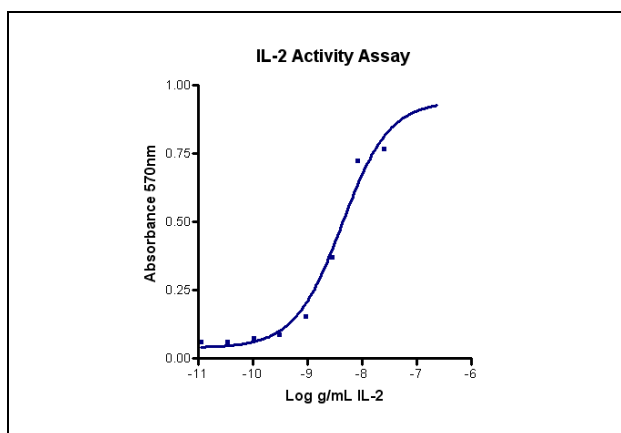
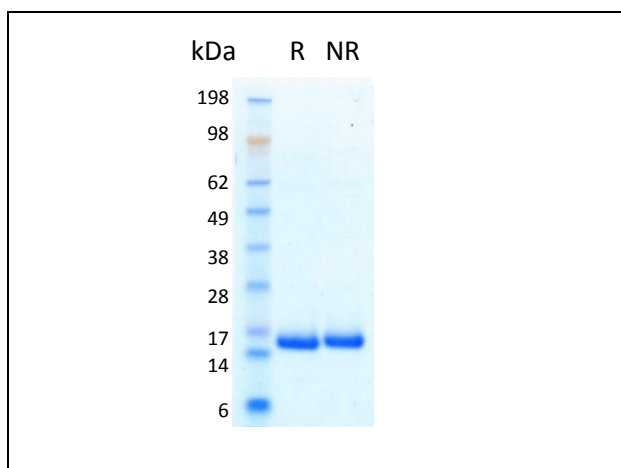
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

### Activity Assay

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



All HumaXpress<sup>®</sup> HumanKine<sup>™</sup> are animal-component-free and Xeno-free<sup>™</sup>



### Reconstitution Buffer

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

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