

## Recombinant Human IL-6 (Interleukin 6)

Catalog # (Size):    HZ-1019 (10µg)    HZ-1188 (100µg)    HZ-1189 (1000µg)

### Product Description

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

Xeno-free IL-6<sup>HuXp</sup> is produced in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 21 to 29 kDa. This broad molecular mass is attributable to glycosylation, which is absent when this cytokine is expressed in *E. coli*. Glycosylation contributes to stability in cell growth media and other applications. IL-6 is a pleiotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. Produced by T cells, monocytes, fibroblasts, endothelial cells, and keratinocytes, IL-6 has diverse biological functions.

### Typical Specifications

<b>Species</b>	Human
<b>Expression</b>	HEK293 Cell Expressed
<b>Activity</b>	Typically $\leq 1$ ng/mL EC <sub>50</sub>
<b>Purity</b>	>95%
<b>Endotoxin</b>	<1 EU/µg
<b>Molecular Mass</b>	21 and 29 kDa, monomer, glycosylated
<b>Formulation</b>	1x PBS

### Purity Confirmation

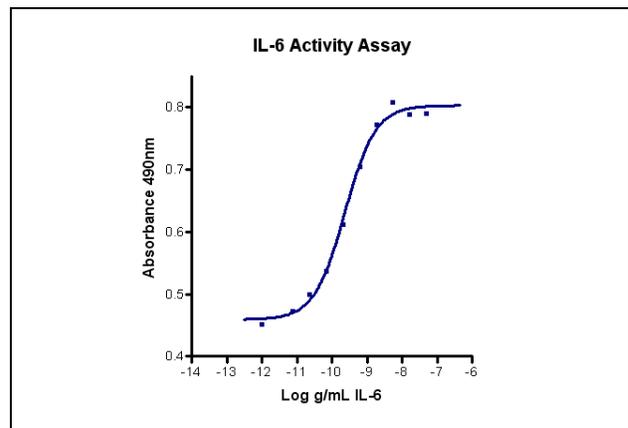
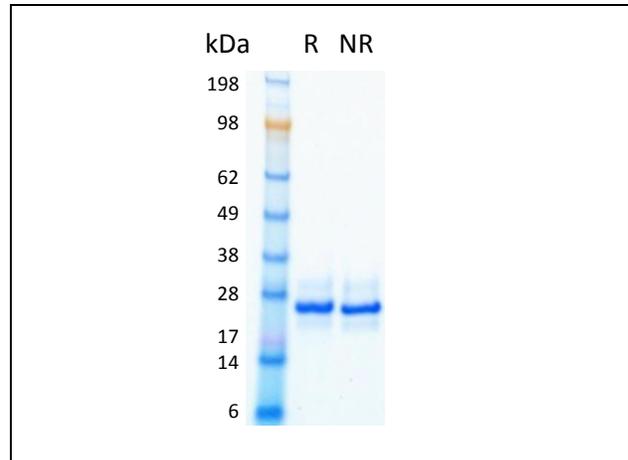
The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

### Activity Assay

The activity was determined by the dose-dependent stimulation of the proliferation of 7TD1 cells (mouse hybridoma 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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