

# Recombinant Human IL-6

Catalog Number: **HZ-1019**

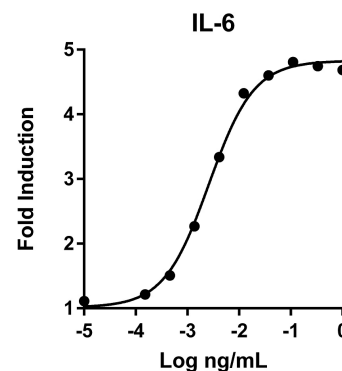
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

Species	human
Expression	HEK293
Activity	Typically $\leq 0.5$ ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ $\mu$ g
Molecular Mass	21 and 29 kDa, monomer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	3569



The activity was determined by the dose-dependent stimulation of the proliferation of 7TD1 cells (mouse hybridoma cell line) using CellTiter 96<sup>®</sup> AQueous One Solution 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

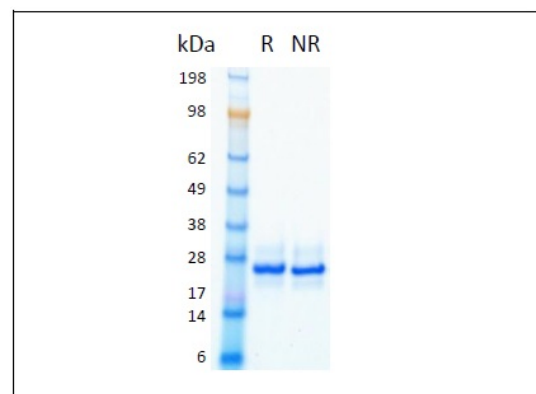
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted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

## Product Description

Animal-free Recombinant Human IL-6 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.

## Synonyms

B cell stimulatory factor 2, BSF 2, BSF2, CDF, CTL differentiation factor, HGF, HSF, Hybridoma growth factor, IFN beta 2, IFNB2, IL 6, IL6, IL-6, Interferon beta 2, Interleukin 6



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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