

# Recombinant Human IL-23

Catalog Number: **HZ-1254**

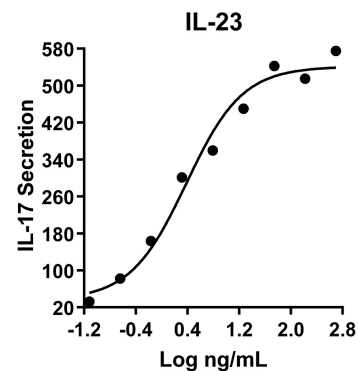
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

Species	Human
Expression	HEK293
Activity	Typically $\leq 4$ ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ $\mu$ g
Molecular Mass	55 kDa, heterodimer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	51561



The activity was determined by the dose-dependent secretion of IL-17 in response to IL-23 using murine splenocytes using IL17 ELISA kit.

## 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

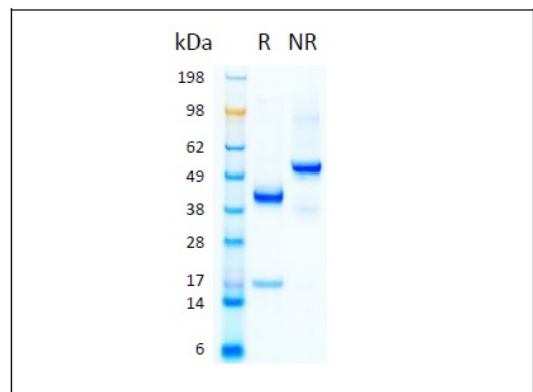
Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted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

## Product Description

Animal-free Recombinant Human IL-23 is expressed in human 293 cells as a heterodimeric glycoprotein composed of two disulfide-linked subunits (p40 cystine linked to p19). IL-23 has been shown to enhance proliferation of memory T cells. It also stimulates the production of IFN-gamma in NK cells, induces IL-17 production, and drives Th17 mediated responses. Furthermore, it is known that IL-23 takes a vital part in the inflammation process and that it is associated with auto immune diseases.

## Synonyms

IL 23, IL23



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.

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

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