

Recombinant Human IL-7

Catalog Number: **HZ-1281**

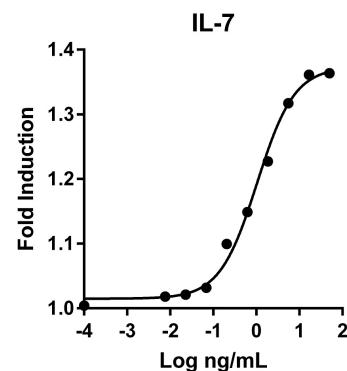
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	human
Expression	HEK293
Activity	Typically ≤ 1 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	19, 25, and 30 kDa, monomer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	3574



The specific activity was determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells using Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

Reconstitution Buffer

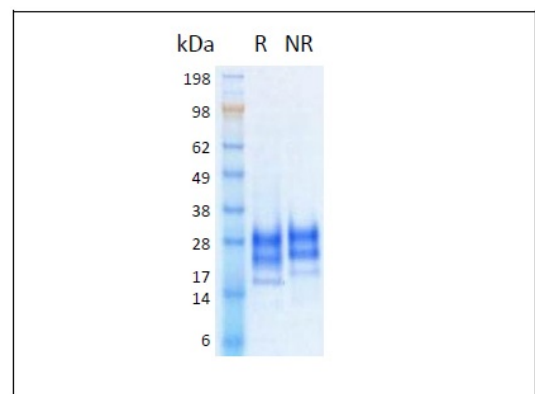
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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-7 is expressed in Human 293 cells as a highly glycosylated protein. Under reducing conditions, IL-7 migrates as three separate bands as 19 kDa, 25 kDa and 30 kDa. In comparison IL-7 produced in an E. coli expression system have glycosylation and migrate as a single band at 17 kDa. IL-7 is a hematopoietic cytokine that is important for B and T cell development. When combined with other factors, IL-7 can also co-stimulate the proliferation of mature T cells. Production in human 293 cells uses a serum-free, chemically defined media and offers authentic glycosylation.



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

Synonyms

IL 7, IL7, IL-7, interleukin 7

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

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