

Recombinant Human IL-17F

Catalog Number: **HZ-1116**

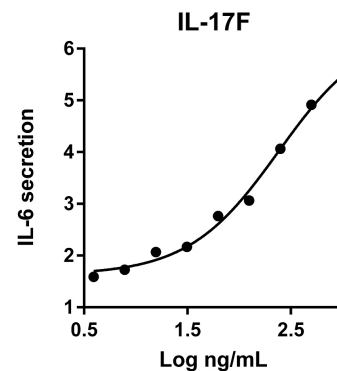
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

Species	Human
Expression	HEK293
Activity	Typically ≤ 10 ng/mL EC50
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	38 kDa, homodimer, glycosylated
Formulation	1x PBS, See Certificate of Analysis for details
Gene ID	112744



The activity was determined by the dose-dependent induction of IL-6 secretion from NHDF Adult fibroblasts using IL6 ELISA kit.

Reconstitution Buffer

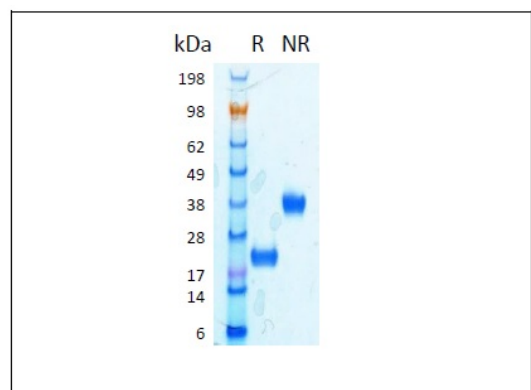
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

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-17F is a homodimeric glycoprotein with an apparent molecular mass of 38 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 and other applications. IL-17 is commonly associated with allergic responses. IL-17 induces the production of many other cytokines (such as IL-6, G-CSF, GM-CSF, IL-1 β , TGF β , and TNF α), chemokines (including IL-8, GRO α , and MCP-1), and prostaglandins (e.g., PGE2) from many cell types (fibroblasts, endothelial cell, epithelial cells, keratinocytes, and macrophages). The release of cytokines causes many functions, such as airway remodeling, a characteristic of IL-17 responses.



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.

Synonyms

IL 17F, IL17F

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

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