

Recombinant Human IL-17F (Interleukin 17 F)

Product Description

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

Xeno-free 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-1beta, TGF beta, and TNF alpha), chemokines (including IL-8, GRO alpha, 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.

Typical Specifications


Species	Human
Expression	HEK293 Cell Expressed
Activity	Typically ≤ 10 ng/mL EC ₅₀
Purity	>95%
Endotoxin	<1 EU/ μ g
Molecular Mass	38 kDa, homodimer, glycosylated
Formulation	1x PBS

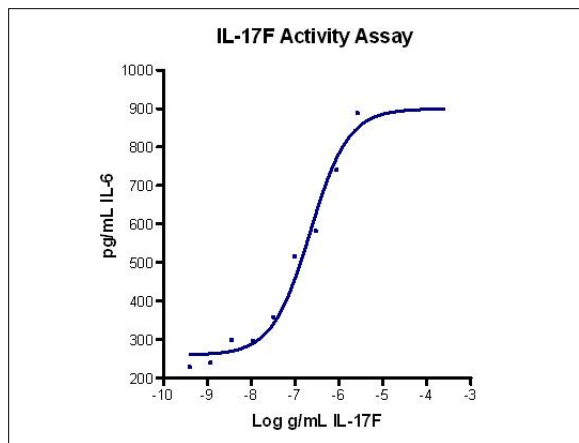
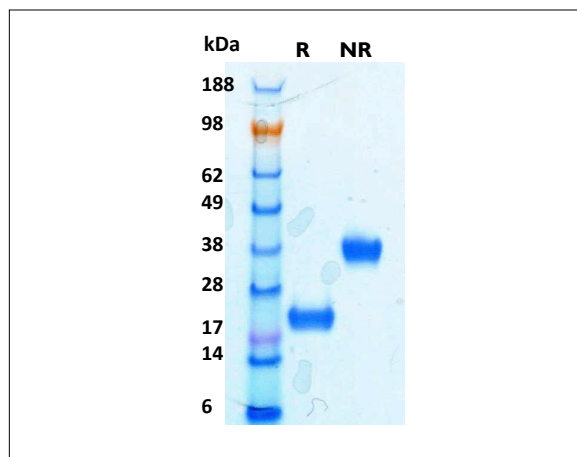
Purity Confirmation

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 induction of IL-6 secretion from NHDF Adult fibroblasts.

™ All HumaXpress® HumanKine™ cytokines are animal-component-free and Xeno-free™



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).

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