

# Recombinant Human Interleukin-17F/IL-17F Protein

Catalog Number:PKSH032622



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

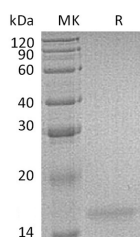
## Description

<b>Synonyms</b>	Interleukin-17F;IL-17F;Cytokine ML-1;Interleukin-24;IL-24;IL17F;IL24
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Arg31-Gln163
<b>Accession</b>	Q96PD4
<b>Calculated Molecular Weight</b>	15.8 kDa
<b>Observed molecular weight</b>	18 kDa
<b>Tag</b>	C-His
<b>Bioactivity</b>	Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED <sub>50</sub> for this effect is < 20 ng/mL.

## Properties

<b>Purity</b>	> 98 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile 20 mM sodium acetate, pH 4.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 98 % as determined by reducing SDS-PAGE.

## Background

Interleukin-17 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL-17 family in humans and in mice. Today, IL-17 represents a family of structurally related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family; IL-17A through IL-17F; are secreted as homodimers. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis.

## For Research Use Only

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