

Datasheet for ABIN7275006

**IL17F Protein (AA 29-161) (His-Avi Tag,Biotin)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL17F
Protein Characteristics:	AA 29-161
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL17F protein is labelled with His-Avi Tag,Biotin.

## Product Details

Purpose:	Biotinylated Mouse IL-17F Protein
Sequence:	Arg29-Ala161
Characteristics:	Recombinant Biotinylated Mouse IL-17F Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Arg29-Ala161.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Mouse IL-17RA , hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Mouse IL-17F, His Tag with the EC50 of 2.9µg/ml determined by ELISA. See testing image for detail.

## Target Details

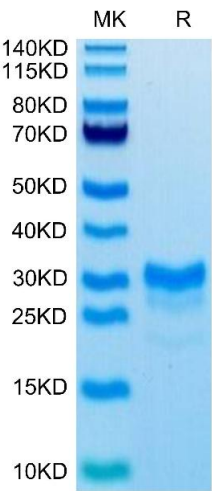
Target:	IL17F
Alternative Name:	IL-17F ( <a href="#">IL17F Products</a> )
Background:	The Interleukin 17 (IL-17) family proteins, comprising six members (IL-17A through IL-17F), are secreted, structurally related proteins that share a conserved cystine-knot fold near the C-terminus, but have considerable sequence divergence at the N-terminus. IL-17F is ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in stimulating the production of other cytokines such as IL6, IL8 and CSF2, and in regulation of cartilage matrix turnover.
Molecular Weight:	17.8 kDa. Due to glycosylation, the protein migrates to 30-35 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>

## Application Details

Restrictions:	For Research Use only
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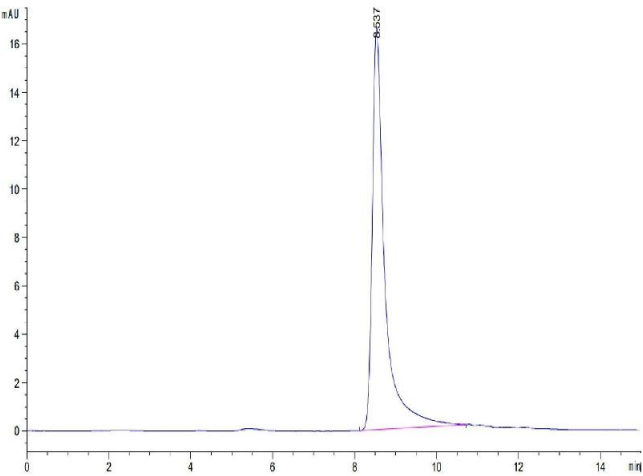
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

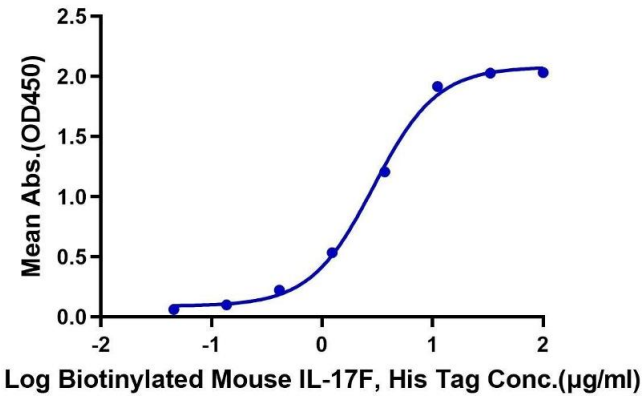
**Image 1.** Biotinylated Mouse IL-17F on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Biotinylated Mouse IL-17F is greater than 95 % as determined by SEC-HPLC.

**Biotinylated Mouse IL-17F, His Tag ELISA**  
0.1µg Mouse IL-17RA, hFc Tag Per Well



ELISA

**Image 3.** Immobilized Mouse IL-17RA , hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Mouse IL-17F, His Tag with the EC50 of 2.9 µ g/mL determined by ELISA.