

Product datasheet

Recombinant mouse IL-17F protein (Animal Free) ab207953

[1 Image](#)

Description

Product name	Recombinant mouse IL-17F protein (Animal Free)
Biological activity	The activity is determined by the dose-dependant induction of IL-6 in NIH 3T3 cells and is typically 35-50 ng/mL. This corresponds to an expected specific activity of 2.8×10^4 units/mg.
Purity	> 95 % SDS-PAGE.
Endotoxin level	< 0.050 Eu/μg
Expression system	Escherichia coli
Accession	<u>Q7TNI7</u>
Protein length	Full length protein
Animal free	Yes
Nature	Recombinant
Species	Mouse
Sequence	MRKNPKAGVP ALQKAGNCPP LEDNTVRVDI RIFNQNGGIS VPREFQNRSS SPWDYNITRD PHRFPSEIAE AQCRHSGCIN AQGQEDSTMN SVAIQQEILV LRREPQGCSN SFRLEKMLLK VGCTCVKPIV HQAA
Predicted molecular weight	30 kDa
Amino acids	29 to 161
Additional sequence information	This product is for the mature full length protein. The signal peptide is not included.

Specifications

Our **Abpromise guarantee** covers the use of **ab207953** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	Functional Studies

Form	Lyophilized
-------------	-------------

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituent: 0.1% Trifluoroacetic acid

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Reconstitute with sterile water to 0.1 mg/mL. Centrifuge vial before opening. Suspend the product by gently pipetting down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. Dilute to working aliquots in a 0.1% BSA solution.

General Info

Function

Ligand for IL17RA and IL17RC (PubMed:17911633). The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC (PubMed:18684971). Involved in stimulating the production of other cytokines such as IL6, IL8 and CSF2, and in regulation of cartilage matrix turnover (PubMed:11591732, PubMed:11591768, PubMed:11574464). Also involved in stimulating the proliferation of peripheral blood mononuclear cells and T-cells and in inhibition of angiogenesis (PubMed:11591732). Plays a role in the induction of neutrophilia in the lungs and in the exacerbation of antigen-induced pulmonary allergic inflammation.

Tissue specificity

Expressed in activated, but not resting, CD4+ T-cells and activated monocytes.

Involvement in disease

Candidiasis, familial, 6

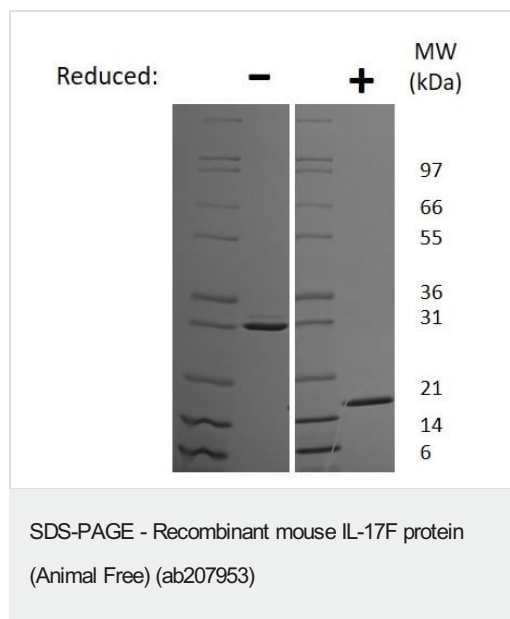
Sequence similarities

Belongs to the IL-17 family.

Cellular localization

Secreted.

Images



SDS PAGE analysis of ab207953 under non-reducing (-) and reducing (+) conditions. Stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors