

## Product datasheet

# Recombinant human IL-13 protein ab9577

### Description

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<b>Product name</b>	Recombinant human IL-13 protein
<b>Purity</b>	>= 98 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Predicted molecular weight</b>	15 kDa

### Specifications

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Our **Abpromise guarantee** covers the use of **ab9577** in the following tested applications.

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

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Lyophilized
<b>Additional notes</b>	The ED <sub>50</sub> , determined by the dose-dependant stimulation of the proliferation of human TF-1, cells is < 1.0 ng/ml, corresponding to a specific activity of > 1 x 10 <sup>6</sup> units/mg.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. 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.
<b>Reconstitution</b>	Centrifuge vial prior to opening. Reconstitute in water to 0.5-1.0 mg/ml. Allow the reconstituted vial to sit at 4°C for 2 hours before use. Do not vortex.

### General Info

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<b>Function</b>	Cytokine (PubMed:8096327, PubMed:8097324). Inhibits inflammatory cytokine production (PubMed:8096327). Synergizes with IL2 in regulating interferon-gamma synthesis (PubMed:8096327). May be critical in regulating inflammatory and immune responses (PubMed:8096327, PubMed:8097324). Positively regulates IL31RA expression in macrophages.
<b>Involvement in disease</b>	Allergic rhinitis
<b>Sequence similarities</b>	Belongs to the IL-4/IL-13 family.
<b>Cellular localization</b>	Secreted.

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**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**

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- 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.

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