

Product datasheet

Recombinant human IL-13 protein (Animal Free) ab217420

Description

Product name	Recombinant human IL-13 protein (Animal Free)	
Biological activity	Determined by its ability to stimulate the proliferation of Human TF-1 cells. The expected ED ₅₀ is ≤ 1.0 ng/ml, corresponding to a specific activity of ≥1 x 10 ⁶ units/mg.	
Purity	> 98 % SDS-PAGE. > 98% by HPLC analysis.	
Expression system	Escherichia coli	
Accession	P35225	
Protein length	Protein fragment	
Animal free	Yes	
Nature	Recombinant	
Species	Human	
Sequence	MSPGPVPPSTALRELIEELVNITQNQKAPLCNGSMVW SINLTAGMYCAAL ESLINVSGCSAIEKTQRMLSGFCPHKVSAGQFSSLHV RDTKIEVAQFVKD LLLHLKKLFRGRFN	
Predicted molecular weight	13 kDa	
Amino acids	33 to 146	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab217420** in the following tested applications.

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

Applications	HPLC
	Functional Studies
	SDS-PAGE
Form	Lyophilised

Preparation and Storage

Stability and Storage 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.

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

Reconstitution

For lot specific reconstitution information please contact our Scientific Support Team.

General Info

Function

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.

Involvement in disease

Allergic rhinitis

Sequence similarities

Belongs to the IL-4/IL-13 family.

Cellular localization

Secreted.

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.

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