

Product datasheet

Recombinant rhesus monkey IL-13 protein (Active) ab216214

Description

Product name	Recombinant rhesus monkey IL-13 protein (Active)		
Biological activity	ab216214 is fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using Human TF-1 cells is less than 5 ng/ml, corresponding to a specific activity of $> 2.0 \times 10^5$ IU/mg.		
Purity	> 98 % SDS-PAGE. >98 % by HPLC..		
Expression system	Escherichia coli		
Accession	<u>Q864V6</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Rhesus monkey		
Sequence	SPSPVPRSTA LKELIEELVN ITQNQKAPLC NGSMVWSINL TAGVYCAALE SLINVSGCSA IEKTQRMLNG FCPHKVSAGQ FSSLRVRDTK IEVAQFVKDL LVHLKKLFRE GRFN		
Predicted molecular weight	13 kDa		
Amino acids	19 to 132		
Additional sequence information	A single non-glycosylated polypeptide chain containing 114 amino acids. This product is for the mature full length protein. The signal peptide is not included.		

Specifications

Our **Abpromise guarantee** covers the use of **ab216214** in the following tested applications.

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

Applications	HPLC
	SDS-PAGE
	Functional Studies

Form Lyophilized

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 long term. Avoid freeze / thaw cycle.

pH: 7.40
Constituents: 97% PBS, 3% Trehalose

Lyophilized from a 0.2 µm filtered concentrated solution.

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

Reconstitution Briefly centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.

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"

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- Response to your inquiry within 24 hours
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