

Product datasheet

Recombinant human IL-10 protein (Animal Free) ab217418

Description

Product name	Recombinant human IL-10 protein (Animal Free)	
Biological activity	Determined by the dose-dependent co-stimulation (with Human IL-4) of MC/9 cells. The expected ED ₅₀ is ≤ 2.0 ng/ml, corresponding to a specific activity of ≥ 5 x 10 ⁵ units/mg.	
Purity	> 98 % SDS-PAGE. > 98% by HPLC analysis.	
Expression system	Escherichia coli	
Accession	P22301	
Protein length	Full length protein	
Animal free	Yes	
Nature	Recombinant	
Species	Human	
Sequence	MSPGQGTQSENSCTHFPGNLPNMLRDLRDAFSRVKTFE QMKDQLDNLLK ESLLDFKGYLGCCQALSEMIQFYLEEVMPPQAENQDPDIKA HVNSLGENLK TLRRLRRLRRCHRFLPCENKSKAVEQVKNAFNKLQEKGKYKA MSEFDIFINY IEAYMTMKIRN	
Predicted molecular weight	19 kDa	
Amino acids	19 to 178	
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 **ab217418** 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	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 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	Inhibits the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells.
Tissue specificity	Produced by a variety of cell lines, including T-cells, macrophages, mast cells and other cell types.
Sequence similarities	Belongs to the IL-10 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.

Terms and conditions

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