

# Recombinant human IL-10 protein (Active) ab284660

[4 Images](#)

## Description

<b>Product name</b>	Recombinant human IL-10 protein (Active)
<b>Biological activity</b>	Fully biologically active determined by dose dependent proliferation of MC/9 cells. ED50 is $\leq 2.759$ ng/mL, corresponding to a specific activity of $3.63 \times 10^5$ units/mg
<b>Purity</b>	$\geq 95$ % HPLC.
<b>Endotoxin level</b>	$\leq 0.005$ Eu/ $\mu$ g
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<b><u>P22301</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	Yes
<b>Carrier free</b>	Yes
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	SPGQGTQSENSCTHFGNLPNMLRDLRDAFSRVKTFFQ MKDQLDNLLLKE SLLEDFKGYLGQALSEMIQFYLEEVMQAENQDPDIKAH VNSLGENLKT LRLRLRRCHRFLPCENKSKAVEQVKNAFNKLQEKGYKAM SEFDIFINYI EAYMTMKIRN
<b>Actual molecular weight</b>	19 kDa
<b>Amino acids</b>	19 to 178

## Specifications

Our **Abpromise guarantee** covers the use of **ab284660** 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>	HPLC
	Mass Spectrometry
	SDS-PAGE
	Biological Activity

## Functional Studies

**Form** Lyophilized

## Preparation and Storage

### Stability and Storage

Shipped at Room Temperature. Store at Room Temperature.

pH: 7.4

Constituents: 0.727% Dibasic monohydrogen potassium phosphate, 0.248% Monobasic dihydrogen potassium phosphate, 10.26% Trehalose

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

### Reconstitution

Reconstitute with phosphate buffered saline. Store lyophilized form at room temperature.

Reconstitute, aliquot and store at -80°C for 12 months or +4°C for 1 week. Avoid repeated freeze-thaw. Lyophilized contents may appear as either a translucent film or a white power. This variance does not affect the quality of the product. Lyophilized contents may appear as either a translucent film or a white powder. This variance does not affect the quality of the product.

## 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.

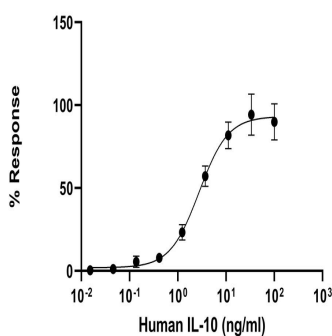
### Sequence similarities

Belongs to the IL-10 family.

### Cellular localization

Secreted.

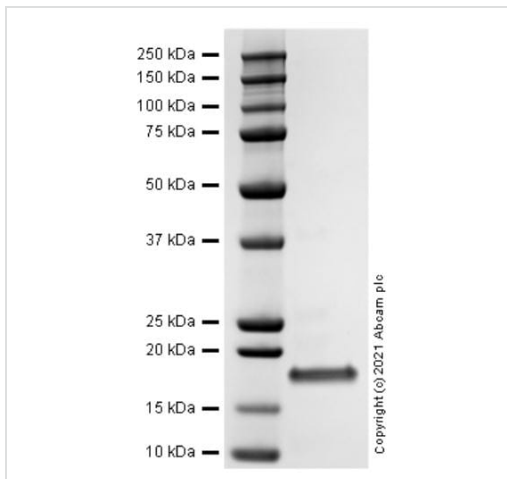
## Images



Fully biologically active determined by dose dependent proliferation of MC/9 cells. ED50 is  $\leq 2.759$  ng/ml, corresponding to a specific activity of  $3.63 \times 10^5$  units/mg

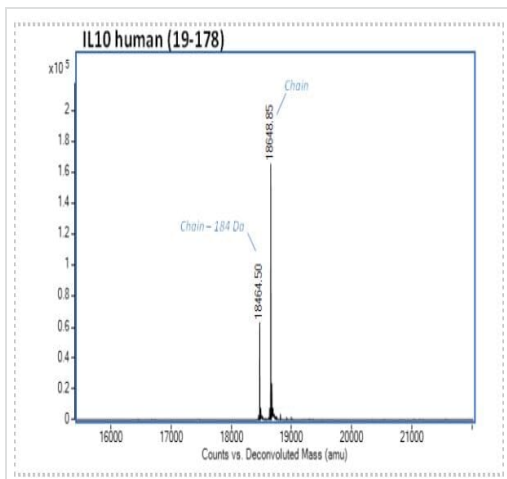
Biological Activity - Recombinant human IL-10 protein (Active) (ab284660)

Fully biologically active determined by dose dependent proliferation of MC/9 cells. ED50 is  $\leq 2.759$  ng/mL, corresponding to a specific activity of  $3.63 \times 10^5$  units/mg



SDS-PAGE - Recombinant human IL-10 protein  
(Active) (ab284660)

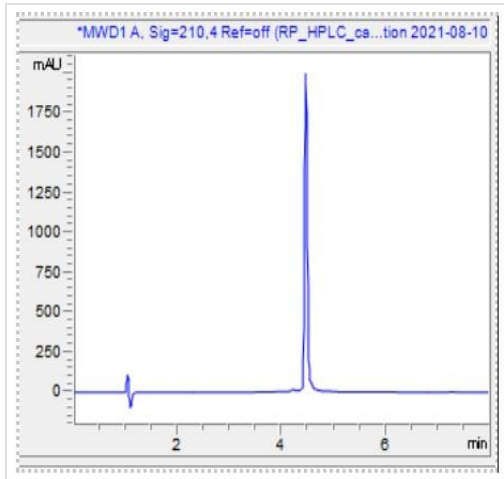
SDS-page analysis of ab284660



Mass Spectrometry - Recombinant human IL-10  
protein (Active) (ab284660)

Mass determination by ESI-TOF.

Predicted MW is 18647.43 Da (+/- 10 Da by ESI-TOF). Observed  
MW is 18648.85 Da.



HPLC analysis of ab284660

HPLC - Recombinant human IL-10 protein (Active)  
(ab284660)

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

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