

Recombinant human EBI3 protein (Complex) ab214146

Description		
Product name	Recombinant human EBI3 protein (Complex)	
Biological activity	Bioactivity was measured in a cell proliferation assay using anti-CD3 activated Human peripheral mononuclear cells.	
Purity	>= 98 % SDS-PAGE.	
Endotoxin level	< 0.060 Eu/µg	
Expression system	CHO cells	
Accession	<u>Q14213</u> <u>NP_000873.2</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Amino Acid Sequence 1		
Species	Human	
Sequence	RKGPPAALTLPVQCRASRYPIAVDCSWTLPPAPNSTSP VSFIATYRLGM AARGHSWPCLQQTPTSTSTCTITDVQLFSMAPYVLNVTAVH PWGSSSSSFVP FITEHIKPDPPPEGVRLSPLAERQLQVQWEPPGSWPFPEIF SLKYWIRYK RQGAARFHRVGPIEATSFILRAVRPRARYYQVAAQDLTD YGELSDWSLP ATATMSLGK	
Predicted molecular weight	23 kDa	
Amino acids	21 to 229	
Additional sequence information	Mature protein of EBI3 without signal peptide.	
Amino Acid Sequence 2		
Species	Human	
Sequence	RNLPVATPDPGMFPC LHHSQNLLRAVSNMLQKARQTLEF YPCTSEEIDHE DITKDKTSTV EACLPLELTKNESCLNSRETSFITNGSCLASRKTSFMMAL CLSSYEDLK MYQVEFKTMN AKLLMDPKRQIFLDQNMLAVIDELMQALNFNSETVPQKSS	

**Amino acids** 57 to 253

**Additional sequence information** IL12A fused through a polypeptide linker to the Fc portion of Human IgG1.

## Specifications

Our **Abpromise guarantee** covers the use of **ab214146** in the following tested applications.

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

**Applications** 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.

Constituent: 100% PBS

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

**Reconstitution** Reconstitute at 100 µg/ml in sterile PBS.

## General Info

**Function** Associates with IL27 to form the IL-27 interleukin, a heterodimeric cytokine which functions in innate immunity. IL-27 has pro- and anti-inflammatory properties, that can regulate T-helper cell development, suppress T-cell proliferation, stimulate cytotoxic T-cell activity, induce isotype switching in B-cells, and that has diverse effects on innate immune cells. Among its target cells are CD4 T-helper cells which can differentiate in type 1 effector cells (TH1), type 2 effector cells (TH2) and IL17 producing helper T-cells (TH17). It drives rapid clonal expansion of naive but not memory CD4 T-cells. It also strongly synergizes with IL-12 to trigger interferon-gamma/IFN-gamma production of naive CD4 T-cells, binds to the cytokine receptor WSX-1/TCCR. Another important role of IL-27 is its antitumor activity as well as its antiangiogenic activity with activation of production of antiangiogenic chemokines.

**Sequence similarities** Belongs to the type I cytokine receptor family. Type 3 subfamily.  
Contains 2 fibronectin type-III domains.

**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

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