

## Product datasheet

# Recombinant Cow IL-23 protein ab209377

### Description

---

<b>Product name</b>	Recombinant Cow IL-23 protein	
<b>Purity</b>	> 95 % SDS-PAGE. ab209377 is purified by Ion Exchange Chromatography.	
<b>Expression system</b>	Yeast	
<b>Accession</b>	<a href="#">B2MU62</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Cow	
<b>Sequence</b>	RAVSEDSSPAWTRGQQLSQQLCMLAWSAHLPMGHM DLPREEGGDKTTDDV PRIQCEDGCDPQGLRDNSQSCLQRIHRGLVFYEKLLG SDIFTGEPSELLPN GPVDQLHASILGLRELLQPKGHHWETEQTSPIPSQP WQRLLLRLKILRS LQAFVAVAARVFAHGAATLSP	
<b>Predicted molecular weight</b>	19 kDa	
<b>Amino acids</b>	22 to 192	
<b>Additional sequence information</b>	This product is for the mature full length protein. The signal peptide is not included.	

### Specifications

---

Our [Abpromise guarantee](#) covers the use of **ab209377** 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>	SDS-PAGE
<b>Form</b>	Lyophilised
<b>Additional notes</b>	ab209377 was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.

### Preparation and Storage

---

<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
------------------------------	---

Constituents: 10% Trehalose, 90% PBS

**Reconstitution**

Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein.

**General Info**

---

**Function**

Associates with IL12B to form the IL-23 interleukin, an heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to an heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

**Tissue specificity**

Secreted by activated dendritic and phagocytic cells and keratinocytes. Also expressed by dermal Langerhans cells (at protein level).

**Sequence similarities**

Belongs to the IL-6 superfamily.

**Developmental stage**

Expressed by newborns dendritic cells.

**Cellular localization**

Secreted. Secreted upon association with IL12B.

---

**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