

Product datasheet

Recombinant rat IL-5 protein (Active) ab200248

1 References

Description

<b>Product name</b>	Recombinant rat IL-5 protein (Active)	
<b>Biological activity</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by a cell proliferation assay using human TF-1 cells is less than 0.5 ng/ml, corresponding to a specific activity of > 2.0 × 10 <sup>6</sup> IU/mg.	
<b>Purity</b>	> 98 % SDS-PAGE. Purity > 98 % by SDS-PAGE and HPLC analyses.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q08125</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Rat	
<b>Sequence</b>	MEIPMSTVVK ETLIQLSTHR ALLTSNETMR LPVPTHKNHQ LCIGEIFQGL DILKNQTVRG GTVEILFQNL SLIKKYIDGQ KEKCGEERRK TRHFLDYLQE FLGVMSTEWA MEV	
<b>Predicted molecular weight</b>	26 kDa	
<b>Amino acids</b>	20 to 132	
<b>Additional sequence information</b>	A disulfide-linked homodimeric protein containing two 113 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 **ab200248** 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 SDS-PAGE Functional Studies
<b>Form</b>	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. Reconstitute for long term storage.

pH: 7.40

Constituent: 100% PBS

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

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at = -20 °C. Further dilutions should be made in appropriate buffered solutions.

## General Info

---

### Function

Factor that induces terminal differentiation of late-developing B-cells to immunoglobulin secreting cells.

### Sequence similarities

Belongs to the IL-5 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