

## Product datasheet

# Recombinant mouse IL-7 protein (Active) ab269178

[2 Images](#)

### Description

<b>Product name</b>	Recombinant mouse IL-7 protein (Active)	
<b>Biological activity</b>	2E8 cell proliferation $\leq 1$ ng/mL; $\geq 1.0 \times 10^6$ units/mg.	
<b>Purity</b>	>95% by SDS-PAGE .	
<b>Endotoxin level</b>	< 1.000 Eu/ $\mu$ g	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P10168</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	MECHIKDKEG KAYESVLMIS IDELDKMTGT DSNCPNNEPN FFRKHVCDDT KEAAFLNRAA RKLKQFLKMN ISEEFNVHLL TVSQGTQTLV NCTSKEEKNV KEQKKNDACF LKRLLEIKT CWNKILKGS	
<b>Predicted molecular weight</b>	20 kDa	
<b>Amino acids</b>	26 to 154	
<b>Additional sequence information</b>	Mature chain	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab269178** 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>	Functional Studies
	SDS-PAGE
<b>Form</b>	Lyophilized

### Preparation and Storage

**Stability and Storage** Shipped at Room Temperature. Upon delivery aliquot. Store at -20°C or -80°C. Working aliquots

stored with a carrier protein are stable for at least 3 months at -20°C to -80°C..

Constituent: 0.06% Acetic acid

Lyophilized from

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

## Reconstitution

Sterile 10 mM acetic acid at 0.1 mg/mL

## General Info

### Function

Hematopoietic growth factor capable of stimulating the proliferation of lymphoid progenitors. It is important for proliferation during certain stages of B-cell maturation.

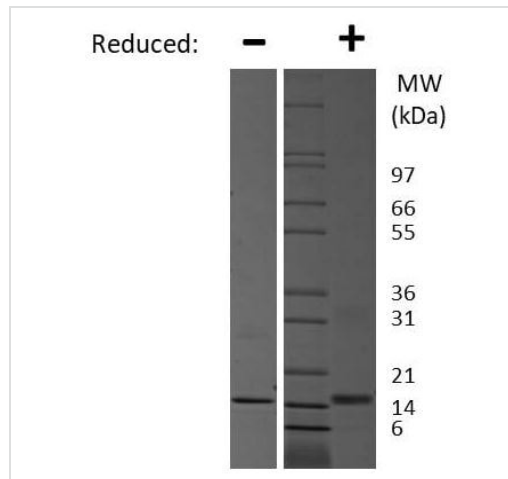
### Sequence similarities

Belongs to the IL-7/IL-9 family.

### Cellular localization

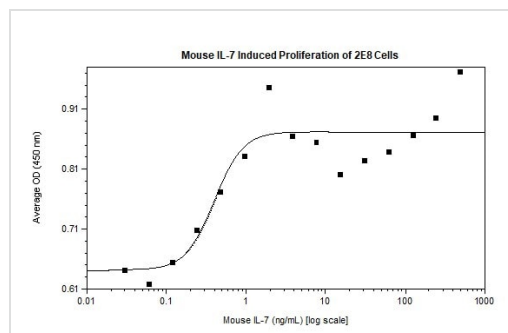
Secreted.

## Images



SDS-PAGE - Recombinant mouse IL-7 protein  
(Active) (ab269178)

SDS-PAGE analysis of ab269178 at 1ug/lane under (-) non-reducing and (+) reducing conditions. 4-20% Tris glycine gel. Stained with coomassie blue.



Functional Studies - Recombinant mouse IL-7  
protein (Active) (ab269178)

Biological activity graph of ab269178

**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**

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- 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.

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