

## Product datasheet

# Recombinant mouse IL-2 protein (Animal Free) ab217431

### Description

<b>Product name</b>	Recombinant mouse IL-2 protein (Animal Free)	
<b>Biological activity</b>	Determined by its ability to stimulate the proliferation of mouse CTLL-2 cells. The expected ED <sub>50</sub> is ≤ 0.2 ng/mL, corresponding to a specific activity of ≥ 5 x 10 <sup>6</sup> units/mg.	
<b>Purity</b>	> 98 % SDS-PAGE. Assessed also by HPLC.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P04351</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	Yes	
<b>Nature</b>	Recombinant	
<b>Species</b>	Mouse	
<b>Sequence</b>	PTSSSTSSST AEAQQQQQQQ QQQQQHLEQL LMDLQELLSR MENYRNLKLP RMLTFKFYLP KQATELKDLQ CLEDELGPLR HVLDLTQSKS FQLEDAENFI SNIRVTVVKL KGSDNTFECQ FDESATVVD FLRRWIAFCQ SIISTSPQ	
<b>Predicted molecular weight</b>	17 kDa	
<b>Amino acids</b>	22 to 169	
<b>Additional sequence information</b>	Mature full length without signal peptide.	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab217431** 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
	HPLC
	Functional Studies
<b>Form</b>	Lyophilised

### Preparation and Storage

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<b>Stability and Storage</b>	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.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Lyophilised from a sterile filtered solution. Centrifuge the vial prior to opening. Reconstitute in Water to a concentration of 0.1 - 1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20C to -80C

## General Info

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<b>Function</b>	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.
<b>Involvement in disease</b>	Note=A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17.
<b>Sequence similarities</b>	Belongs to the IL-2 family.
<b>Cellular localization</b>	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

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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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