

## Product datasheet

# Recombinant Cat IL-4 protein ab222160

### Description

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<b>Product name</b>	Recombinant Cat IL-4 protein	
<b>Purity</b>	> 95 % SDS-PAGE. Purified by ion-exchange chromatography.	
<b>Expression system</b>	Yeast	
<b>Accession</b>	<a href="#">P55030</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Cat	
<b>Sequence</b>	QNFNNTLKEIKTLNILTARNDSCMELTVMDVLAAPKNTSD KEIFCRATT VLRQYTHHNCSTKFLKGLDRNLSSMANRTCSVNEVKKCT LKDFLERLKA IMQKKYSKH	
<b>Predicted molecular weight</b>	13 kDa	
<b>Amino acids</b>	25 to 133	
<b>Additional sequence information</b>	This product is the mature full length protein from aa 25 to 133. The signal peptide is not included.	

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab222160** 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>	Lyophilized

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle. Constituents: PBS, 10% Trehalose
<b>Reconstitution</b>	Reconstitute with sterile phosphate buffered saline containing at least 0.1% carrier protein.

### General Info

<b>Function</b>	Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes.
<b>Involvement in disease</b>	Genetic variations in IL4 may be a cause of susceptibility to ischemic stroke (ISCHSTR) [MIM:601367]; also known as cerebrovascular accident or cerebral infarction. A stroke is an acute neurologic event leading to death of neural tissue of the brain and resulting in loss of motor, sensory and/or cognitive function. Ischemic strokes, resulting from vascular occlusion, is considered to be a highly complex disease consisting of a group of heterogeneous disorders with multiple genetic and environmental risk factors.
<b>Sequence similarities</b>	Belongs to the IL-4/IL-13 family.
<b>Cellular localization</b>	Secreted.

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**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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