

## Product datasheet

# Recombinant human beta 2 Defensin/BD-2 protein (Active) ab9872

### Description

<b>Product name</b>	Recombinant human beta 2 Defensin/BD-2 protein (Active)	
<b>Biological activity</b>	Determined by its ability to chemoattract immature human dendritic cells using a concentration of 10.0-100.0 ng/ml.	
<b>Purity</b>	>= 98 % SDS-PAGE. >= 98% HPLC analyses. Sterile filtered.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">O15263</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	GIGDPVTCLK SGAICHPVFC PRRYKQIGTC GLPGTKCCKK P	
<b>Predicted molecular weight</b>	4 kDa	
<b>Amino acids</b>	24 to 64	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab9872** 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 HPLC
<b>Form</b>	Lyophilised
<b>Additional notes</b>	beta 2 Defensin/BD-2 protein is expressed as the C-terminal portion of precursors and is released by proteolytic cleavage of a signal sequence (aa 1-23).  The biological activity of this product is determined by its ability to chemoattract immature human dendritic cells using a concentration range of 10.0-100.0 ng/ml.

Previously labelled as beta 2 Defensin.

## 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.  n/a  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	For lot specific reconstitution information please contact our Scientific Support Team.

## General Info

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<b>Function</b>	Has antibacterial activity.
<b>Tissue specificity</b>	Expressed in the skin and respiratory tract.
<b>Sequence similarities</b>	Belongs to the beta-defensin family. LAP/TAP subfamily.
<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.

## Terms and conditions

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