

## Product datasheet

# Recombinant rat Prolactin/PRL protein (Animal Free) ab205520

### Description

<b>Product name</b>	Recombinant rat Prolactin/PRL protein (Animal Free)	
<b>Biological activity</b>	The activity is determined by the ability to stimulate proliferation of NB2-11 cells and is typically less than 1 ng/mL. This corresponds to an expected specific activity of 1 x 10 <sup>6</sup> units/mg.	
<b>Purity</b>	> 97 % SDS-PAGE.	
<b>Endotoxin level</b>	> 0.050 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P01237</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	Yes	
<b>Nature</b>	Recombinant	
<b>Species</b>	Rat	
<b>Sequence</b>	MLPVCSGGDCQTPLELFDREVVMLSHYIHTLYTDMFIE FDKQYVQDREFI AKAINDCPTSSLATPEDKEQAQKVPPEVLLNLISLVH SWNDPLFQLITG LGGIHEAPDAISRAKEIEEQNKRLLEGIEKIIISQAYPEAK GNEIMLVWS QLPSLQGVDEESKDLAFYNNIRCLRRDSHKVDNYLKFL RCQVHKNNC	
<b>Predicted molecular weight</b>	23 kDa	
<b>Amino acids</b>	30 to 226	
<b>Additional sequence information</b>	This is the full length protein without the signal peptide.	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab205520** 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

**Form** Lyophilised

## Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.50  
Constituent: 0.16% Sodium phosphate

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

**Reconstitution** Sterile water at 0.1 mg/mL. Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.

## General Info

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**Relevance** Various hormones are secreted from the anterior pituitary during development and growth. Prolactin is a growth factor secreted by the anterior pituitary that is necessary for the proliferation and differentiation of the mammary glands.

**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

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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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