

## Product datasheet

# Recombinant Human Placental lactogen protein ab151913

### Description

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<b>Product name</b>	Recombinant Human Placental lactogen protein	
<b>Purity</b>	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	HEK 293 cells	
<b>Accession</b>	<a href="#">P01243</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	VQTVPLSRLFDHAMLQAHRAHQLAIDTYQEFEEETYPKDQK YSFLHDSQT SFCFSDSIPTSPNMEETQQKSNLELLRISLLIESWLEPVR FLRSMFANN LVYDTSDDYHLLKDLEEGIQTLMGRLEDGSRRTGQILK QTYSKFDTNS HNHDALLKNYGLLYCFRKDMDKVETFLRMVQCRSVEGSC GFVDHHHHHH	
<b>Predicted molecular weight</b>	23 kDa including tags	
<b>Amino acids</b>	27 to 217	
<b>Tags</b>	His tag C-Terminus	

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab151913** 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
<b>Form</b>	Lyophilized

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term.

pH: 7.20

Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride

### Reconstitution

Lyophilized from a 0.2 µM filtered solution. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

## General Info

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### Relevance

Function: Produced only during pregnancy and is involved in stimulating lactation, fetal growth and metabolism. Does not interact with GHR but only activates PRLR through zinc-induced dimerization. Similarity: Belongs to the somatotropin/prolactin family.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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