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Datasheet for ABIN7520422  
**Prolactin Protein (PRL) (His tag)**

### Overview

Quantity:	100 µg
Target:	Prolactin (PRL)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prolactin protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Prolactin/PRL Protein
Sequence:	LPICPGGAAR CQVTLRDLFD RAVVLSHYIH NLSSEMFSEF DKRYTHGRGF ITKAINSCHT SSLATPEDKE QAQMQNKDF LSLIVSILRS WNEPLYHLVT EVRGMQEAPE AILSKAVEIE EQTKRLLEGM ELIVSQVHPE TKENEIYPVW SGLPSLQPAD EESRLSAYYN LLHCLRRDSH KIDNYLKLLK CRIIHNNNC
Specificity:	Leu29-Cys227
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<1EU/µg

### Target Details

Target:	Prolactin (PRL)
Alternative Name:	Prolactin/PRL ( <a href="#">PRL Products</a> )

## Target Details

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**Background:** Description: Prolactin (PRL) is a hormone with multiple actions in the central nervous system (CNS) spanning from physiology to pathology. PRL exerts different actions through its receptors that can be found in both neurons and glial cells (astrocytes, microglia and oligodendrocytes) of the brain. It is generally believed that in vertebrates, prolactin (PRL) is predominantly synthesized and released by pituitary lactotrophs and plays important roles in many physiological processes via activation of PRL receptor (PRLR), including water and electrolyte balance, reproduction, growth and development, metabolism, immuno-modulation, and behavior.

Name: GHA1,PRL

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**Gene ID:** 5617

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**UniProt:** [P01236](#)

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**Pathways:** [JAK-STAT Signaling](#), [Peptide Hormone Metabolism](#), [Response to Growth Hormone Stimulus](#), [Protein targeting to Nucleus](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

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**Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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**Concentration:** 1.52 mg/mL

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**Buffer:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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**Storage:** -20 °C,-80 °C

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**Storage Comment:** Store the lyophilized protein at -20°C to -80°C for 12 months. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.