

Datasheet for ABIN6388203

**Prolactin Protein (PRL) (AA 30-228) (His tag)**[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	Prolactin (PRL)
Protein Characteristics:	AA 30-228
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prolactin protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSQPLPICS AGDCQTSRE LFDRVVILSH YIHTLYTDMF IEFDKQYVQD REFMVKVIND CPTSSLATPE DKEQALKVPP EVLLNLILSL VQSSSDPLFQ LITGVGGIQE APEYILSRAK EIEEQNKQLL EGVEKIISQA YPEAKNGIY FWWSQLPSLQ GVDEESKILS LRNTIRCLRR DSHKVDNFLK VLRCQIAHQN NC
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

## Target Details

Target:	Prolactin (PRL)
Alternative Name:	Prolactin ( <a href="#">PRL Products</a> )
Background:	Prolactin, also known as prl, is a hormone synthesized and secreted by lactotrope cells in the

## Target Details

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adenohypophysis (anterior pituitary gland). Prolactin has many effects, the most significant of which is to stimulate the mammary glands to produce milk (lactation). Increased serum prolactin during pregnancy causes enlargement of the mammary glands of the breasts and increases the production of milk. Recently, prolactin has demonstrated broader roles in breast cancer development, regulation of reproductive function, and immuno-regulation. Recombinant mouse Prolactin, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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Molecular Weight: 25 kDa (222aa) Confirmed by MALDI-TOF

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NCBI Accession: [NP\\_035294](#)

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UniProt: [Q9CPQ2](#)

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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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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 0.25 mg/mL

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Buffer: Liquid. In Phosphate buffered saline ( pH 7.4) containing 20 % glycerol

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Storage: 4 °C,-20 °C,-80 °C

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Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.