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## Prolactin Protein (PRL) (AA 30-226) (His tag)



#### Overview

Quantity:	100 μg
Target:	Prolactin (PRL)
Protein Characteristics:	AA 30-226
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prolactin protein is labelled with His tag.

#### **Product Details**

Sequence:	Leu 30-Cys 226
Characteristics:	A DNA sequence encoding the Rat PRL protein (P01237) (Leu 30-Cys 226) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

### **Target Details**

Target:	Prolactin (PRL)
Alternative Name:	PRL (PRL Products)
Background:	Abbreviation: PRL
	Target Synonym: PRL,Prolactin,Prolactin precursor
	Background: 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

#### **Target Details**

Target Details	
	proliferation and differentiation of the mammary glands.
Molecular Weight:	Calculated MW: 21.56 kDa Observed MW: 28 kDa
UniProt:	P01237
Pathways:	JAK-STAT Signaling, Peptide Hormone Metabolism, Response to Growth Hormone Stimulus, Protein targeting to Nucleus
Application Details	
Restrictions:	For Research Use only

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## Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.  Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months