

# Active Recombinant Mouse Prl protein(Leu32-Cys228), His-tagged

**Cat. No.** Prl-390M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse PRL (NP_035294.2) (Leu 32-Cys 228) was expressed in Insect Cells, with an initial Met at the N-terminus and a polyhistidine tag at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Leu32-Cys228
<b>Form</b>	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Measured by its ability to promote proliferation of INS-1 cells. The ED50 for this effect is typically 50-500 ng/mL.
<b>Molecular Mass</b>	The recombinant mouse PRL consists of 207 amino acids and has a calculated molecular mass of 23.8 kDa. It migrates as an approximately 26 kDa band in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	> 92 % as determined by SDS-PAGE.

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**Storage** Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [Prl prolactin \[ Mus musculus \]](#)

**Official Symbol** [Prl](#)

**Synonyms** PRL; prolactin; Prl1a1; AV290867;

**Gene ID** [19109](#)

**mRNA Refseq** [NM\\_001163530](#)

**Protein Refseq** [NP\\_001157002](#)

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