

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	Insect Cells
Protein Length	Leu32-Cys228
Form	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.
Bio-activity	Measured by its ability to promote proliferation of INS-1 cells. The ED50 for this effect is typically 50-500 ng/mL.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 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 [<i>Mus musculus</i>]
Official Symbol	Prl
Synonyms	PRL; prolactin; Prl1a1; AV290867;
Gene ID	19109
mRNA Refseq	NM_001163530
Protein Refseq	NP_001157002

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