

Recombinant Mouse Prl Protein, His-tagged

Cat. No. Prl-1982M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Prl Protein (Leu30-Cys226) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu30-Cys226
Description	Predicted to enable hormone activity and prolactin receptor binding activity. Acts upstream of or within several processes, including mammary gland development; maternal behavior; and positive regulation of receptor signaling pathway via JAK-STAT. Located in secretory granule. Is expressed in hippocampus; pituitary gland; placenta; and trophoblast giant cell. Human ortholog(s) of this gene implicated in carotid artery disease. Orthologous to human PRL (prolactin).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.1 kDa Accurate Molecular Mass: 26 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Prl prolactin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Prl
Synonyms	PRL; prolactin; Prl1a1; AV290867;
Gene ID	19109
mRNA Refseq	NM_001163530
Protein Refseq	NP_001157002
UniProt ID	P06879

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