

Recombinant Cattle PRL Protein, His-tagged

Cat. No. PRL-1194C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cattle PRL Protein (Thr31-Cys229) with His tag was expressed in E. coli.
Species	Cattle
Source	E.coli
ProteinLength	Thr31-Cys229
Description	This gene encodes the anterior pituitary hormone prolactin. This secreted hormone is a growth regulator for many tissues, including cells of the immune system. It may also play a role in cell survival by suppressing apoptosis, and it is essential for lactation. Alternative splicing results in multiple transcript variants that encode the same protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 22.7 kDa; Accurate Molecular Mass: 26 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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

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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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

PRL prolactin [Bos taurus (cattle)]

Official Symbol

PRL

Synonyms

PRL; prolactin; GHA1; Prol; prolactin; growth hormone A1

Gene ID

280901

mRNA Refseq

NM_173953

Protein Refseq

NP_776378

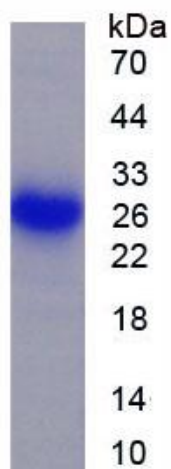
UniProt ID

P01239

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