

RPM035Ra02 1

**Recombinant Prolactin Induced Protein (PIP)** 

Organism Species: Rattus norvegicus (Rat)

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

# Coud-Clone Corp.

## [PROPERTIES]

Source: Prokaryotic expression Host: E.coli Residues: Asn41~Thr139 Tags: N-terminal His Tag Subcellular Location: Secreted **Purity:** > 95% Traits: Freeze-dried powder **Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Original Concentration: 100µg Applications: Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.) Predicted isoelectric point: 6.1 Predicted Molecular Mass: 12.5kDa Accurate Molecular Mass: 17kDa as determined by SDS-PAGE reducing conditions. Phenomenon explanation: The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc. [<u>USAGE</u>]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.



Store at 2-8°C for one month.

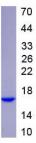
Aliquot and store at -80°C for 12 months.

**Stability Test:** 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°C 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.

#### [SEQUENCE]

MGHHHHHHSGSEF-NVPSTPDENQ EVDMSLTLQT QYKECLVVKA YLISNTPVDG GFNYIQTRCI CNDHPTTLYW TFVVTQTLTF RIMVDIVKDK GICPNNVAVV PISGNRYFT

#### [IDENTIFICATION]



#### [IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.