

Recombinant Bovine PRL Protein Product Manual

1. Product Basic Information

Product No.: REP07898

Protein Name: Growth Hormone A1 (PRL)

Aliases: GHA1; pPRL; prolactin; luteotropin; growth hormone A1; prolactin peptide; decidual prolactin; luteotropic hormone

UniProt ID: P01236

UniProt Link: <https://www.uniprot.org/uniprotkb/P01236/entry>

Species Source: Bos taurus (Bovine)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (31-229aa)

Molecular Weight: 30.1 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (31-229aa)

TPVCPNGPGNCQVSLRDLFDRAVMVSHYIHDLSSSEMFNEFDKRYAQQKGFITMAL
NSCHTSSLPTPEDKEQAQQTHHEVLMSLILGLLRSWNDPLYHLVTEVRGMKGAPD
AILSRAIEIEEENKRLLEGMEMIFGQVIPGAKETEPYPVWSGLPSLQTKDEDARYSAF
YNLLHCLRRDSSKIDTYLKLLNCRIIYNNNC

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause



5. Product Description

This product is a recombinant Bovine PRL full length of mature protein protein (31-229aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. PRL, also known as GHA1 or pPRL or prolactin, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.