



# Recombinant Bovine BTN1A1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06280

**Protein Name:** Butyrophilin Subfamily 1 Member A1 (BTN1A1)

**Aliases:** BT; BTN; BTN1; butyrophilin subfamily 1 member A1; bK14H9.2  
(butyrophilin, subfamily 1, member A1)

**UniProt ID:** Q13410

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q13410/entry>

**Species Source:** Bos taurus (Bovine)

**Expression System:** E.coli

**Protein Length:** Partial (27-242aa)

**Molecular Weight:** 31.2 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (27-242aa)

APFDVIGPQEPI LAVVGEDAELPCRLSPNVSAKGMELRWFREKVSPAVFVSREGQE  
QEGEEMAEYRGRVSLVEDHIAEGSVAVRIQEVKASDDGEYRCFFRQDENYEEAIVH  
LKVAALGSDPHISMKVQESGEIQLECTSVGWYPEPQVQWRTHRGEFSPMSSESRN  
PDEEGLFTVRASVIIRDSSMKNVSCCIRNLLL GQEKEVEVSIPASFFPR

## 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 BTN1A1 partial protein (27-242aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. BTN1A1, also known as BT or BTN or BTN1, 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.