



Recombinant Human BTN3A1 Protein Product Manual

1. Product Basic Information

Product No.: REP06283

Protein Name: Btn3.Butyrophilin Subfamily 3 Member A1 (BTN3A1)

Aliases: BTF5; BT3.CD277; BTN3.butyrophilin subfamily 3 member A1; dJ45P21.3
(butyrophilin, subfamily 3, member A1)

UniProt ID: O00481

UniProt Link: <https://www.uniprot.org/uniprotkb/O00481/entry>

Species Source: Homo sapiens (Human)

Expression System: Yeast

Protein Length: Partial (30-254aa)

Molecular Weight: 26.2 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (30-254aa)

QFSVLGPSGPILAMVGEDADLPCHLFPTMSAETMELKWVSSSLRQVVNVYADGKE
VEDRQSAPYRGRTSILRDGITAGKAALRIHNV TASDSGKYLCYFQDGD FYEKALVEL
KVAALGSDLHVDVKG YKDG GIIHLECRSTGWYPQPQIQWSNNKGENIPTVEAPVVA
DGVGLYAVAASVIMRGSSGEGVSCTIRSSLLGLEKTASIS IADPFFRSAQRWIAALAG

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

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 protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human BTN3A1 partial protein (30-254aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. BTN3A1, also known as BTF5 or BT3.CD277 or BTN3.butyrophilin subfamily 3 member A1, 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.