Recombinant Human TNNC2 Protein Product Manual

1. Product Basic Information

Product No.: REP08511

Protein Name: Troponin C Type 2 (Fast) (TNNC2)

Aliases: FAP85; CFAP85; CMYO15; CMYP15; MYONRI; troponin C type 2 (fast); troponin C, skeletal muscle; troponin C2, fast skeletal type

UniProt ID: P02585

UniProt Link: https://www.uniprot.org/uniprotkb/P02585/entry

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-160aa)

Molecular Weight: 45.0kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-160aa)

TDQQAEARSYLSEEMIAEFKAAFDMFDADGGGDISVKELGTVMRMLGQTPTKEELD
AIIEEVDEDGSGTIDFEEFLVMMVRQMKEDAKGKSEEELAECFRIFDRNADGYIDPE
ELAEIFRASGEHVTDEEIESLMKDGDKNNDGRIDFDEFLKMMEGVQ

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 protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human TNNC2 full length protein (1-160aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. TNNC2, also known as FAP85 or CFAP85 or CMYO15, 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.