

# Recombinant Human TCAP Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08408

**Protein Name:** Titin Cap Protein (TCAP)

**Aliases:** TELE; CMD1N; CMH25; T-cap; LGMD2G; LGMDR7; titin-cap; telethonin; titin cap protein; 19 kDa sarcomeric protein; teneurin C-terminal associated peptide

**UniProt ID:** O15273

**UniProt Link:** <https://www.uniprot.org/uniprotkb/O15273/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-167aa)

**Molecular Weight:** 46.1kDa

**Protein Tag:** N-terminal GST-tagged

## 2. Amino Acid Sequence (1-167aa)

MATSELSCEVSEENCERREAFWAEWKDLTLSTRPEEGCSLHEEDTQRHETYHQQ  
GQCQVLVQRSPWLMMRMGILGRGLQEYQLPYQRVLPLPIFTPAKMGATKEEREDT  
PIQLQELLALETALGGQCVDQRQEVAEITKQLPPVVPVSKPGALRRSLSRSMSQEAQ  
RG

## 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 Human TCAP full length protein (1-167aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. TCAP, also known as TELE or CMD1N or CMH25, 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.