



# Recombinant Human CAPN1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06325

**Protein Name:** Calpain Calpain Mu-Type (CAPN1)

**Aliases:** CANP; muCL; CANP1; SPG76; CANP CANPL1; muCANP; calpain calpain mu-type; micromolar-calpain; calpain-1 large subunit; calpain-1 catalytic subunit; calpain, large polypeptide L1; calpain 1, (mu/l) large...

**UniProt ID:** P07384

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P07384/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length (1-714aa)

**Molecular Weight:** 85.9kDa

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

## 2. Amino Acid Sequence (1-714aa)

MSEEITPVYCTGVSAQVQKQRARELGLGRHENAICYLGQDYEQLRVRCCLQSGTLF  
RDEAFPPVPQSLGYKDLGPNSSKTYGIKWKRPTTELLSNPQFIVDGATRTDICQGAL  
GDCWLLAAIASLTINDTLLHRVPHGQSFGNGYAGIFHFQLWQFGEWVDVVDDLL  
PIKDGKLVFVHSAEGNEFWSALLEKAYAKVNGSYEALSGGSTSEGFEDFTGGVTE  
WYELRKAPSDLYQIILKALERGSLGCSIDISSVLDMEAITFKKLVKGHAYSVTGAKQ  
VNYRGQVVSILMRNPWGEVEWTGAWSDDSSSEWNNVDPYERDQLRVKMEDGEF  
WMSFRDFMREFTRLEICNLTPDALKSRTIRKWNTTLYEGTWRRGSTAGGCRNYP  
TFWVNPQFKIRLDETDDPDDYGDRESGCSFVLALMQKHRRRERRFRGRDMETIGFA  
VYEVPPPELVGQPAVHLKRDFFLANASRARSEQFINLREVSTRFRLPPGEYVVVPSTF  
EPNKEGDFVLRFFSEKSAGTVELDDQIQANLPDEQVLSEEEIDENFKALFRQLAGED  
MEISVKELRTILNRIISKHKDLRTKGFSLESCRSMVNLMMDRDGNGKLGLEFVNILWNR  
IRNYLSIFRKFDLDKSGSMSAYEMRMAIESAGFKLNKKLYELIITRYSEPD LAVDFDN  
FVCCLVRLETMFRFFKTLDTDLGVTDFDLFKWLQLTMFA

## 3. Storage Buffer



**Enlibio** Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9

**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 CAPN1 full length protein (1-714aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CAPN1, also known as CANP or muCL or CANP1, 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.