

# Recombinant Bovine PNMA2 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07830

**Protein Name:** Pnma Family Member 40 Kda Neuronal Protein (PNMA2)

**Aliases:** MA2; MM2; RGAG2; PNMA family member 40 kDa neuronal protein; onconeuroal antigen MA2; paraneoplastic antigen Ma2; retrotransposon gag domain containing 2

**UniProt ID:** Q9UL42

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9UL42/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (2-364aa)

**Molecular Weight:** 48.1

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

## 2. Amino Acid Sequence (2-364aa)

ALALLEDWCRILSVDDQKSLMVMGIPVDCSEDEIQEVLQEILKPLGRYKLLGKIFRKQ  
ENANAVLLELLEDPEVSVIPSKVQGGGIWKVIFKTPNQDTEFLERLNLFLKEGQTV  
SGMFRALGHQGLSPAAMPCISPELLAHVLGQVIAHPPQPLLPMRYRKLRFVSGSAV  
PAPEEEPFVWLEQATEIVKEWPVAEAEKRWLMESLRGPALDLMHIVQADNPSIS  
VEECLEAFKQVFGNLESRRTSQVKYLKTYQEEGEKVSAYVLRLETLLRRAVEKRAIP  
RNIADQIRLEQVMAGASLSEVLWCRLRELKDQGRPPSFLQLMKVIREEEEEEEATFE  
NENTEEPEGGDGYGHWGNEAND

## 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 Bovine PNMA2 full length of mature protein protein (2-364aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PNMA2, also known as MA2 or MM2 or RGAG2, 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.