



# Recombinant Mouse PROS1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07910

**Protein Name:** Protein Protein Sa (PROS1)

**Aliases:** PSA; PROS; PS21; PS22; PS23; PS24; PS25; THPH5; THPH6; protein protein Sa; protein S (alpha)

**UniProt ID:** P07225

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P07225/entry>

**Species Source:** Mus musculus (Mouse)

**Expression System:** Baculovirus

**Protein Length:** Partial (42-669aa)

**Molecular Weight:** 71.2 kDa

**Protein Tag:** C-terminal 10xHis-tagged

## 2. Amino Acid Sequence (42-669aa)

ANTLFEETMKGNLERECIEELCNKEEAREVFENNPETDYFYPKYLGCLGAFRVGSF  
HAARQSANAYPDLRSCVKAISDQCDPIPCNEDGYLACQDGQAAFTCFCKPGWQGD  
RCQYDVNECKDPSNVNGGCSQICDNTPGSYHCSCCKRGFAMPLPNKKDCKDLDECA  
LKPSVCGTAVCKNIPGDFECECPDGYRYDPSSKSKCKDVDECSNMCAQLCVNFPG  
GYSCYCDGKKGFKLAQDQKSCGIPVCLSLDLKDYELLYLAEQFAGVVLYLKFRLL  
PDITRFSAEFDFRTYDSEGIILYAESLDHSNWLLIALRDGKIEVQFKNEFSTQITTGGN  
VINNGIWNMVSVEELDDSVSIIKIAKEAVMNINKLGLSLFKPTDGFLLTKIYFAGLPRKV  
ESALIKPINPRLDGCIRGWNLMKQGALGAKEIIEGKQNKHCFLNVEKGSYYPGSGIA  
QFSIDYNNVTNAEGWQMNVTNLNIRPSTGTGVMLALVSGGTVPFALSIVDSRSGTSQ  
DIVVFEVNSVVARLEAVSLCSDQQSQLKCNVNRNGLELWTPLRKDVIIYSKDLQRQL  
AVLDKAMKRTVATYLGIPDISFSATPVNAFYSGCMEVNINGVQLDLDEAISKHKDIR  
AHSCPSVR

## 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)



**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 Mouse PROS1 partial protein (42-669aa) expressed in Baculovirus. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PROS1, also known as PSA or PROS or PS21, 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.