

# Recombinant Human PRSS23 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07915

**Protein Name:** Serine Protease 23 (PRSS23)

**Aliases:** SIG13; SPUVE; ZSIG13; serine protease 23; protease, serine 23; putative secreted protein Zsig13; serine protease, umbilical endothelium

**UniProt ID:** O95084

**UniProt Link:** <https://www.uniprot.org/uniprotkb/O95084/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (20-383aa)

**Molecular Weight:** 57.0kDa

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

## 2. Amino Acid Sequence (20-383aa)

QVSPYSAPWKPTWPAYRLPVVLPQSTLNLA KPDFGAEAKLEVSSSCGPQCHKGTP  
LPTYEEAKQYLSYETLYANGSRTETQVGIYILSSSGDGAQHRDSGSSGKSRRKRQI  
YGYDSRFSIFGKDFLLNYPFSTSVKLSTGCTGTLVAEKHVLTA AHCIHDGKTYVKGT  
QKLRVGF LKPKFKDGGRGANDSTSAMPEQM KFQWIRVKRTHV PKGWIKGNANDIG  
MDYDYALLELKKPHKRKFMKIGVSPPAKQLP GGRIHFSGYDNDRPGNLVYRFCDVK  
DETYDLLYQQCDAQPGASGSGVYVRM WKRQQKWERKIIGIFSGHQWVDMNGSP  
QDFNVAVRITPLKYAQICYWIKGNYLDCREG

## 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 PRSS23 full length of mature protein protein (20-383aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. PRSS23, also known as SIG13 or SPUVE or ZSIG13, 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.