

# Recombinant Protease, Serine 23 (PRSS23) Instruction Manual

SIPQ562Hu01

**Homo sapiens (Human)**

|                                 |  |
|---------------------------------|--|
| <b>Source</b>                   | Prokaryotic expression                             |
| <b>Host</b>                     | E.coli   |
| <b>Endotoxin Level</b>          | <1.0EU per 1µg (determined by the LAL method)      |
| <b>Subcellular Location</b>     | Secreted   |
| <b>Predicted Molecular Mass</b> | 44.7kDa  |
| <b>Accurate Molecular Mass</b>  | 45kDa(Analysis of differences refer to the manual) |
| <b>Residues &amp; Tags</b>      | Gln20~Gly383 with N-terminal His Tag               |
| <b>Buffer Formulation</b>       | PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.    |
| <b>Traits</b>                   | Freeze-dried powder                                |
| <b>Purity</b>                   | > 90%  |
| <b>Isoelectric Point</b>        | 9.5  |
| <b>Applications</b>             | Positive Control; Immunogen; SDS-PAGE; WB.         |

## SEQUENCE

```
Q VSPYSAPWKP TWPAYRLPVV LPQSTLNLAQ  
PDFGAEAKLE VSSSCGPQCH KGTPLPTYEE AKQYLSYETL YANGSRTETQ  
VGIYILSSSG DGAQHRDSGS SGKSRRKRQI YGYDSRFSIF GKDFLLNYPF  
STSVKLSTGC TGTLVAEKHV LTAAHCIHDG KTYVKGTQKL RVGFLKPKFK  
DGGRGANDST SAMPEQMKFQ WIRVKRTHVP KGWIKGNAND IGMDYDYALL  
ELKKPHKRKF MKIGVSPPAK QLPGGRIHFS GYDNDRPGNL VYRFDVKDE  
TYDLLYQQCD AQPASGSGV YVRMWRQQQ KWERKIIIGIF SGHQWDMNG  
SPQDFNVAVR ITPLKYAQIC YWIKGNYLDC REG
```

## USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

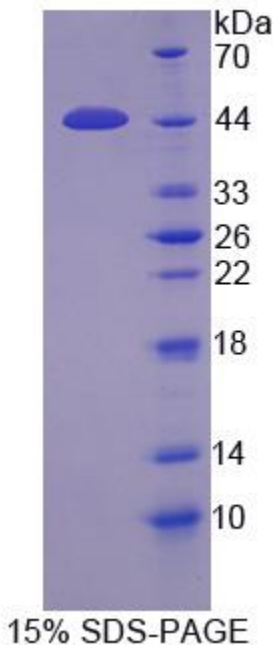
## STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## Image



SDS-PAGE Image

## **[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.