

# Recombinant mouse Serine protease 22/PRSS22 protein

Catalog Number: ATGP3382

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

33-307aa

### UniProt No.

Q9ER10

### NCBI Accession No.

NP\_598492

### Alternative Names

Brain-specific serine protease 4, BSSP-4, Bssp4, SP001LA, Serine protease 22, PRSS22, Serine protease 26, PRSS26, Tryptase epsilon

## PRODUCT SPECIFICATION

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### Molecular Weight

31.1 kDa (283aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

Prss22, also known as brain-specific serine protease 4, is identified brain-specific expression gene. Brain-specific serine protease 4 (BSSP-4) and brain serine protease 2 (BSP-2) are different names given for the same serine protease that is encoded by the Prss22 gene. This protein is preferentially expressed in epithelium-rich tissues

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such as the lung and eye. Recombinant mouse Prss22, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques

## Amino acid Sequence

ATIRVSPDCG KPQQLNRIVG GEDSMDAQWP WIVSILKNGS HHCAGSLLTN RWWVTAAHCF KSNMDKPSLF SVLLGAWKLG  
SPGPRSQKVG IAWVLPHPRY SWKEGTHADI ALVRLEHSIQ FSERILPICL PDSSVRLPPK TDCWIAGWGS IQDGVPLPHP  
QTLQKLVPI IDSELCKSLY WRGAGQEAIT EGMLCAGYLE GERDACLGDS GGPLMCQVDD HWLLTGIISW GEGCAERNRP  
GVYTSLLAHR SWVQRIVQGV QLRGYLADSG DTGSSLEHHH HHH

## General References

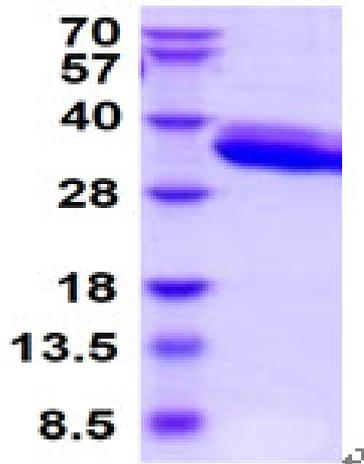
Wong GW., et al. (2001) J Biol Chem. 276:49169-49182.

Davies BJ., et al. (1998) J Biol Chem. 273:23004-23011.

## DATA

### SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)+