

Recombinant mouse Serine protease 22/PRSS22 protein

Catalog Number: ATGP3382

PRODUCT INFORMATION

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, Trypsase epsilon

PRODUCT SPECIFICATION

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

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 WIVSILKNKS HHCAGSLLTN RWVVTAAHCF KSNMDKPSLF SVLLGAWKLG
SPGPRSQKVG IAWVLPHPRY SWKEGTHADI ALVRLEHSIQ FSERILPICL PDSSVRLPPK TDCWIAGWGS IQDGVPLPHP
QTLQKLKVP I IDSELCKSLY WRGAGQEAIT EGMLCAGYLE GERDACLGDS GGPLMCQVDD HWLLTGIIISW GEGCAERNRP
GVYTSLLAHR SWVQRIVQGV QLRGYLADSG DTGSSLEHHH HHH

General References

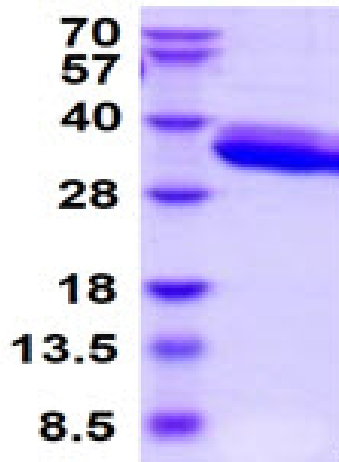
Wong GW., et al. (2001) J Biol Chem. 276:49169-49182.

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)+