

Datasheet for ABIN1097712
PRSS22 Protein (AA 33-317) (His tag)



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Overview

Quantity:	50 µg
Target:	PRSS22
Protein Characteristics:	AA 33-317
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRSS22 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Tryptase epsilon/Brain-Specific Serine Protease 4/BSSP-4 (C-6His)
Sequence:	ARIPVPPACG KPQQLNRVVG GEDSTDSEWP WIVSIQKNGT HHCAGSLLTS RWWITAAHCF KDNLNKPYLF SVLLGAWQLG NPGSRSQKVG VAWVEPHPVY SWKEGACADI ALVRLERSIQ FSERVLPICL PDASIHLPN THCWISGWGS IQDGVPLPHP QTLQKLVPI IDSEVCSHLY WRGAGQGPIT EDMLCAGYLE GERDACLGDS GGPLMCQVDG AWLLAGIISW GEGCAERNRP GVYISLSAHR SWVEKIVQGV QLRGRAQGGG ALRAPSQGSG AAARSHHHHH H
Characteristics:	Recombinant Human Brain-Specific Serine Protease 4/BSSP-4 produced by transfected human cells is a secreted protein with sequence(Ala33-Ser317) of Human BSSP-4 Tryptase fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	PRSS22
Alternative Name:	trypsin-epsilon (PRSS22 Products)
Sub Type:	Fusionprotein
Background:	<p>Brain-Specific Serine Protease 4 (BSSP-4) is a serine protease that preferentially cleaves the synthetic substrate H-D-Leu-Thr-Arg-pNA compared to tosyl-Gly-Pro-Arg-pNA. BSSP-4 is expressed abundantly in the epithelial cells of the airways, including trachea, esophagus and fetal lung, but scarce in adult lung and expressed at low levels in placenta, pancreas, prostate and thyroid gland. BSSP-4 belongs to the peptidase S1 family and related to trypsin, referentially hydrolyzing substrates after arginine and lysine residues. However, BSSP-4 is less susceptible to inhibition by common trypsin inhibitors such as aprotinin, alpha1-antitrypsin and secretory leukocyte protease inhibitor. BSSP-4 efficiently converts pro-urokinase- type plasminogen activator to its mature, active form.</p> <p>Alternative Names: Brain-Specific Serine Protease 4, BSSP-4, Serine Protease 22, Serine Protease 26, Trypsin Epsilon, PRSS22, BSSP4, PRSS26</p>

Molecular Weight: 31.56 kDa

UniProt: [Q9GZN4](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM HAc-NaAc, 150 mM NaCl, 10 % Glycerol, pH 4.5.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

Handling

Expiry Date: 6 months