Datasheet for ABIN7319119

PRSS22 Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Human PRSS22/BSSP-4 Protein (His Tag)
Sequence:	Ala33-Ser317
Characteristics:	Recombinant Human Tryptase epsilon is produced by our Mammalian expression system and the target gene encoding Ala33-Ser317 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μg as determined by the LAL method.

Target Details

Target:	PRSS22
Alternative Name:	PRSS22/BSSP-4 (PRSS22 Products)
Background:	Background: 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,

Target Details

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, α1-antitrypsin and secretory leukocyte protease inhibitor. BSSP-4 efficiently converts pro-urokinase- type plasminogen activator to its mature, active form.

Synonym: Brain-Specific Serine Protease 4, BSSP-4, Serine Protease 22, Serine Protease 26, Tryptase Epsilon, PRSS22, BSSP4, PRSS26

Molecular Weight:	31.6 kDa
UniProt:	Q9GZN4

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM HAc-NaAc, 150 mM NaCl, 10 % Glycerol, pH 4.5.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.