

## Product datasheet for **TP726797**

### PRSS22 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Tryptase epsilon/Brain-Specific Protease 4/BSSP-4 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala33-Ser317
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM HAc-NaAc, 150mM NaCl, 10% Glycerol, pH 4.5.
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	64063
UniProt ID:	<a href="#">Q9GZN4</a>
Synonyms:	Brain-Specific Serine Protease 4; BSSP-4; Serine Protease 22; Serine Protease 26; Tryptase Epsilon; PRSS22; BSSP4; PRSS26
Summary:	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, $\hat{\pm}$ 1-antitrypsin and secretory leukocyte protease inhibitor. BSSP-4 efficiently converts pro-urokinase- type plasminogen activator to its mature, active form.
Protein Families:	Druggable Genome, Secreted Protein



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