

## 32-7349: Recombinant Human Tryptase epsilon/Brain-Specific Serine Protease 4/BSSP-4 (C-6His)

**Gene :** PRSS22  
**Gene ID :** 64063  
**Uniprot ID :** Q9GZN4

### Description

Source: Human Cells.

MW :31.56kD.

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. 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, a1-antitrypsin and secretory leukocyte protease inhibitor. BSSP-4 efficiently converts pro-urokinase- type plasminogen activator to its mature, active form.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM HAc-NaAc, 150mM NaCl, 10% Glycerol, pH 4.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** ARIPVPPACGKPKQLNRVVGEDSTDSEWPWIVSIQKNGTHHCAGSLLTSRWWVITAAHCFKDNLNKPYLFSVLL  
GAWQLGNPGSRSQKVGVAWVEPHVYSWKEGACADIALVRLERSIQFSERVLPICLPDASIHLPNTHCWISG  
WGSIQDGVPLPHPQTLQKLVPIIDSEVCSHLYWRGAGQGPIEDMLCAGYLEGERDACLGDSGGPLMCQVD  
GAWLLAGIISWGECAERNRPGVYISLSAHRSWVEKIVQGVQLRGRAQGGGALRAPSQSGAAARSHHHHH  
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### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.