Product Name: Recombinant Human BSSP-4 (C-6His)
Catalog #: PHH1734

Summary

Name	Tryptase epsilon/BSSP-4
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	Q9GZN4
Host	Human Cells
Species	Human
Predicted Molecular Mass	31.56 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM HAc-NaAc, 150mM NaCl, 10% Glycerol, pH 4.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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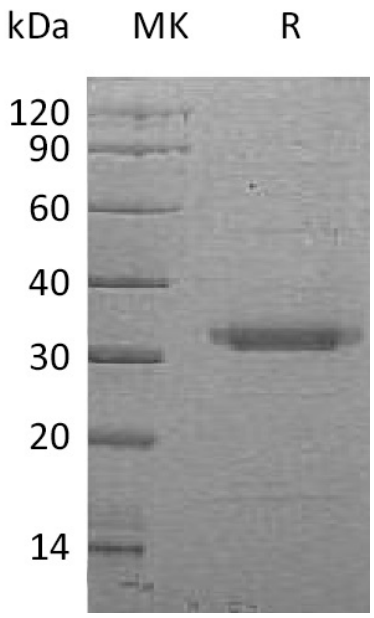

Alternative Names

Brain-Specific Serine Protease 4; BSSP-4; Serine Protease 22; Serine Protease 26; Tryptase Epsilon; PRSS22; BSSP4; PRSS26

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, 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.

Note

For Research Use Only , Not for Diagnostic Use.