
Product Data Sheet

Product Name: PRSS3 Human, sf9

Cat. No.: GP22166

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protease; Serine; 3; Protease; Serine; 4 (Trypsin 4; Brain); Brain Trypsinogen; Mesotrypsinogen; Mesotrypsin; Trypsin III; EC 3.4.21.4 4; Trypsin IV; PRSS4; TRY3; TRY4 Protease; Serine; 3 (Mesotrypsin); Pancreatic Trypsinogen III; Serine Protease 3; Serine Protease 4; Trypsinogen IV; Trypsinogen 4; Trypsinogen 5; EC 3.4.21; MTG; T9.		
Amino Acid Sequence	ADPIVGGYTC EENSLPYQVS LNSGSHFCGG SLISEQWVVS AAHCYKTRIQVRLGEHNIKV LEGNEQFINA AKIIRHPKYN RDTLDNDIML IKLSSPAVIN ARVSTISLPT APPAAGTECLISGWGNTLSF GADYPDELKC LDAPVLTQAE CKASYPGKIT NSMFCVGFLE GGDSCQRDS GGPVVCNGQLQGVVSWGHGC AWKNRPGVYT KVYNYVDWIK DTIAANSHHH HHH.		
Formulation	PRSS3 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

PRSS3 is a trypsinogen, and a member of the trypsin family of serine proteases. PRSS3 is expressed in the pancreas and brain and is unaffected by common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. PRSS3 is restricted to the locus of T cell receptor beta variable orphans on chromosome 9. 4 different isoforms encoded by 4 transcript variants were identified for this gene.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

PRSS3 produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 233 amino acids (81-304a.a.) and having a molecular mass of 25.3kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). PRSS3 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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