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## Product Data Sheet

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Product Name: PRSS3 Human  
 Cat. No.: GP22165  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protease Serine 3 (Mesotrypsin); Protease Serine 4 (Trypsin 4; Brain); Brain Trypsinogen; Mesotrypsinogen; Trypsin III; Trypsinogen IV; Trypsinogen 5; Pancreatic Trypsinogen III; MTG; TRY3; PRSS4; T9; EC 3.4.21.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSIVGGYTC EENSLPYQVS LNSGSHFCGG SLISEQWVVS AAHCYKTRIQ VRLGEHNIKV LEGNEQFINA AKIIRHPKYN RDTLDNDIML IKLSSPAVIN ARVSTISLPT APPAAGTECL ISGWGNTLSF GADYPDELKC LDAPVLTQAE CKASYPGKIT NSMFCVGFLE GGKDSCQRDS GGPVVCNGQL QGVVSWGHC AWKNRPGVYT KVYNYVDWIK DTIAANS		
Formulation	The PRSS3 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea 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.

### Background

PRSS3 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 247 amino acids (81-304) and having a molecular mass of 26.0kDa.

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

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