

## Product datasheet for **AR51079PU-S**

### Trypsin-3 / PRSS3 (81-304, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Trypsin-3 / PRSS3 (81-304, His-tag) human protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSIVGGYTC EENSLPYQVS LNSGSHFCGG SLISEQWVVS AAHCYKTRIQ VRLGEHNIKV LEGNEQFINA AKIIRHPKYN RDTLDNDIML IKLSSPAVIN ARVSTISLPT APPAAGTECL ISGWGNTLSF GADYPDELKC LDAPVLTQAE CKASYPGKIT NSMFVGFLE GGKDSCQRDS GGPVVCNGQL QGVVSWGHC AWKNRPGVYT KV
Tag:	His-tag
Predicted MW:	26 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001184026</a>
Locus ID:	5646
UniProt ID:	<a href="#">P35030</a>
Cytogenetics:	9p13.3
Synonyms:	PRSS4, TRY3, TRY4, Brain trypsinogen, Mesotrypsinogen, Serine protease 3, Serine protease 4, Trypsin III, Trypsin IV



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**Summary:**

This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is expressed in the brain and pancreas and is resistant to common trypsin inhibitors. It is active on peptide linkages involving the carboxyl group of lysine or arginine. This gene is localized to the locus of T cell receptor beta variable orphans on chromosome 9. Four transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2010]

**Protein Families:**

Druggable Genome, Protease, Secreted Protein

**Protein Pathways:**

Neuroactive ligand-receptor interaction

**Product images:**