

Active Recombinant Human PRSS3 Protein, His-tagged

Cat. No. PRSS3-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRSS3 Protein, fused to His-tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	16-247aa
Description	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.
Form	Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.
Bio-activity	Specific activity is > 10,000pmol/min/ug, and is defined as the amount of enzyme that cleaves 1pmol of Mca-RPKPVE-Nval-WRK(Dnp)-NH2 per minute at pH 8.0 at 37 centigrade.
Molecular Mass	26 kDa
AA Sequence	VPFDDDDKIV GGYTCEENSL PYQVSLNSGS HFCGGSLISE QWVVSAAHCY KTRIQVRLGE HNIKVLEGNE QFINAAKIIR HPKYNRDTLD NDIMLIKLS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PAVINARVST ISLPTAPPAA GTECLISGWG NTLSTFGADYP DELKCLDAPV
 LTQAECKASY PGKITNSMFC VGFLEGGKDS CQRDSGGPVV CNGQLQGVVS
 WGHGCAWKNR PGVYTKVYNY VDWIKDTIAA NS

Endotoxin < 1 EU per 1ug of protein (determined by LAL method).

Purity > 95% by SDS-PAGE

Applications SDS-PAGE, Enzyme Activity

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Storage Can be stored at 2 centigrade to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 centigrade to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Absorbance at 280nm).

GENE INFORMATION

Gene Name PRSS3 serine protease 3 [Homo sapiens (human)]

Official Symbol PRSS3

Synonyms T9; MTG; TRY3; TRY4; PRSS4

Gene ID 5646

mRNA Refseq NM_002771.4

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Protein Refseq	NP_002762.3
MIM	613578
UniProt ID	P35030
SDS-PAGE	3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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