

## Active Recombinant Human PRSS1 Protein, His-tagged

Cat. No. PRSS1-516H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PRSS1 (Accession # NP_002760) Ala16-Ser247, fused with a C-terminal 10-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	Ala16-Ser247
<b>Predicted N Terminal</b>	Ala16
<b>Form</b>	Supplied as a 0.2 µ filtered solution in HCl and NaCl.
<b>Bio-activity</b>	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nva I-WRK(Dnp)-NH <sub>2</sub> . The specific activity is >3,000 pmol/min/g, as measured under the described conditions.
<b>Molecular Mass</b>	Recombinant Human PRSS1, His-tagged has a calculated MW of 26 kDa. In SDS-PAGE migrates as 32 kDa and 36 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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## GENE INFORMATION

<b>Gene Name</b>	PRSS1 protease, serine, 1 (trypsin 1) [ Homo sapiens ]
<b>Official Symbol</b>	PRSS1
<b>Synonyms</b>	PRSS1; protease, serine, 1 (trypsin 1); TRY1; trypsin-1; beta-trypsin; trypsinogen 1; trypsinogen A; digestive zymogen; cationic trypsinogen; nonfunctional trypsin 1; TRP1; TRY4; TRYP1; FLJ57296; MGC120175; MGC149362; DKFZp779A0837;
<b>Gene ID</b>	5644
<b>mRNA Refseq</b>	NM_002769
<b>Protein Refseq</b>	NP_002760
<b>MIM</b>	276000
<b>UniProt ID</b>	P07477
<b>Chromosome Location</b>	7q34

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