

Active Recombinant Human PRSS1 Protein, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Mammalian Cells
ProteinLength	Ala16-Ser247
Predicted N Terminal	Ala16
Form	Supplied as a 0.2 µ filtered solution in HCl and NaCl.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nva I-WRK(Dnp)-NH ₂ . The specific activity is >3,000 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human PRSS1, His-tagged has a calculated MW of 26 kDa. In SDS-PAGE migrates as 32 kDa and 36 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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

Gene Name	PRSS1 protease, serine, 1 (trypsin 1) [Homo sapiens]
Official Symbol	PRSS1
Synonyms	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;
Gene ID	5644
mRNA Refseq	NM_002769
Protein Refseq	NP_002760
MIM	276000
UniProt ID	P07477
Chromosome Location	7q34

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