

Recombinant Human PRSS3 protein, T7/His-tagged

Cat. No. PRSS3-226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Trypsin-3 cDNA (81 – 304 aa, derived from BC069476) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	81-304 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Sucrose.
AA Sequence	MASMTGGGQMGRGRHHHHHHENLYFQGGEFELIVGGYTCEENSLPYQVSLNSGSH FCGGSLISEQWVVSAAHCYKT RIQVRLGEHNIKVLEGNEQFINAAKIIRHPKYNRDTL DNDIMLIKLSPPAVINARVSTISLPTAPPAAGTECLIS GWGNTLSFGADYPDELKCLD APVLTQAECKASYPGKITNSMFCVGFLEGGKDSCQRDSGGPVVCNGQLQGVVSW G HGCAWKNRPGVYTKVYNYVDWIKDTIAANS
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro PRSS3 protein mediated pancreatic cancer cell differentiation and metastasis regulation study with this protein as either coating matrix protein or as soluble factor.2. May be used for PPSS3 protein – protein interaction assay.3. May be used for specific antibody production.

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Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

GENE INFORMATION
Gene Name

PRSS3 protease, serine, 3 [Homo sapiens]

Official Symbol

PRSS3

Synonyms

PRSS3; protease, serine, 3; protease, serine, 3 (mesotrypsin) , protease, serine, 4 (trypsin 4, brain) , PRSS4; trypsin-3; mesotrypsin; TRY3; TRY4; trypsin IV; trypsin III; trypsinogen 4; trypsinogen 5; trypsinogen IV; mesotrypsinogen; brain trypsinogen; pancreatic trypsinogen III; protease, serine, 4 (trypsin 4, brain); T9; MTG; PRSS4;

Gene ID

5646

mRNA Refseq

NM_001197097

Protein Refseq

NP_001184026

MIM

613578

UniProt ID

P35030

**Chromosome
Location**

9p13

Pathway

Alpha-defensins, organism-specific biosystem; Defensins, organism-specific biosystem; Immune System, organism-specific biosystem; Influenza A, organism-specific biosystem; Influenza A, conserved biosystem; Innate Immune System, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-

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	specific biosystem;
Function	calcium ion binding; peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity;

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