

Active Recombinant Human PRSS3 protein, His-tagged

Cat. No. PRSS3-1170H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PRSS3 protein(P35030-3) (Met 1-Ser 247) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-247 aa
Form	Lyophilized from sterile 50mM MES, 0.6M NaCl, pH 5.0.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH ₂ . The specific activity is >4,000 pmoles/min/μg.
Molecular Mass	The secreted recombinant pro form of the human PRSS3 consists of 243 amino acids and predicts a molecular mass of 26.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhPRSS3 is approximately 33 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-

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thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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