

Human Protease, Serine 3 (PRSS3) ELISA Kit | PRSS3 elisa kit

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CATALOG #
AAA68763

REACTIVITY
Human

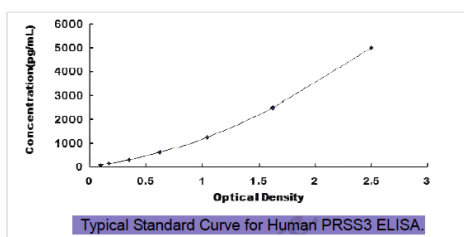
PRODUCT SYNONYMS

Protease; Serine 3 (PRSS3); Human Protease; Serine 3 (PRSS3) ELISA Kit; Trypsin-3; PRSS3; PRSS4; TRY3; TRY4; Brain trypsinogen; Mesotrypsinogen; Serine protease 3; Serine protease 4; Trypsin III; Trypsin IV; PRSS3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRPH. No significant cross-reactivity or interference between PRPH and analogues was observed.
Samples	Human Tissue Homogenates, Cell Lysates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	32.7pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRPH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PRPH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRSS3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PRPH in human tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRPH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRPH. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PRPH, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PRPH in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	342672030
NCBI GeneID	5646
NCBI Accession #	NP_001184026.2
NCBI GenBank Nucleotide #	NM_001197097.2
UniProt Accession #	P35030; P15951; Q15665; Q5VXV0; Q6ISJ4; Q9UQV3; A8CED1; A8CED3; A9Z1Y4; E7ES07; F8W7P3
Molecular Weight	25,924 Da
NCBI Official Full Name	trypsin-3 isoform 3 preproprotein
NCBI Official Synonym Full Names	serine protease 3
NCBI Official Symbol	PRSS3
NCBI Official Synonym Symbols	T9; MTG; TRY3; TRY4; PRSS4
NCBI Protein Information	trypsin-3
UniProt Protein Name	Trypsin-3
UniProt Gene Name	PRSS3
UniProt Synonym Gene Names	PRSS4; TRY3; TRY4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.