

## Human Prostasin ELISA Kit | PRSS8 elisa kit

Human Prostasin ELISA Kit

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| CATALOG #<br><b>AAA106060</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

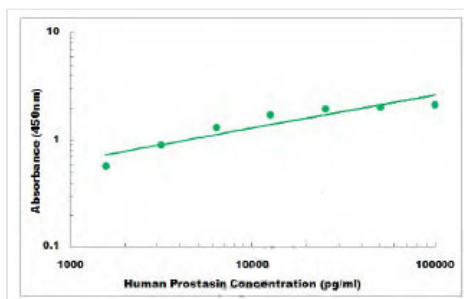
### PRODUCT SYNONYMS

Prostasin; Human Prostasin ELISA Kit; Channel-activating protease 1; CAP1; Serine protease 8; PRSS8 elisa kit

### PRODUCT SPECIFICATIONS

|                                             |                                                                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                  | Human                                                                                                                                                                                                |
| Specificity                                 | The Human Prostasin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Prostasin proteins within the range of 1560 pg/ml - 100000 pg/ml. |
| Sequence Length                             | 343                                                                                                                                                                                                  |
| Samples                                     | Cell Culture Supernatants, Serum, Plasma, Urine                                                                                                                                                      |
| Assay Type                                  | Quantitative Sandwich                                                                                                                                                                                |
| Sensitivity                                 | <50 pg/ml.                                                                                                                                                                                           |
| Applicable Applications for PRSS8 elisa kit | ELISA (Sandwich ELISA)                                                                                                                                                                               |
| Preparation and Storage                     | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PRSS8 elisa kit | <p>Principle of the Assay: MBS Human Prostatic ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Prostatic in Cell Culture Supernatants, Serum, Plasma, Urine. This assay employs an antibody specific for Human Prostatic coated on a 96-well plate. Standards and samples are pipetted into the wells and Prostatic present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Prostatic antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Prostatic bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.</p> <p>Background: Prostatic is a protein that in humans is encoded by the PRSS8 gene. It is a single-copy gene and mapped to 16p11.2. Prostatic is likely to be the more physiologically relevant protease. This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. Coexpression of Prostatic with either Xenopus or rat ENaC in Xenopus oocytes resulted in a 60% to 80% increase in amiloride-sensitive sodium currents, and that the addition of aprotinin, a serine protease inhibitor, completely prevented this activation. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The proprotein is cleaved to produce a light chain and a heavy chain which are associated by a disulfide bond. It is active on peptide linkages involving the carboxyl group of lysine or arginine.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                             |
|----------------------------------|-------------------------------------------------------------|
| NCBI GI #                        | 4506153                                                     |
| NCBI GeneID                      | 5652                                                        |
| NCBI Accession #                 | NP_002764.1                                                 |
| NCBI GenBank Nucleotide #        | NM_002773.3                                                 |
| UniProt Accession #              | Q16651; Q9UCA3; B4DWP2                                      |
| Molecular Weight                 | 30,519 Da                                                   |
| NCBI Official Full Name          | prostatic preproprotein                                     |
| NCBI Official Synonym Full Names | protease, serine, 8                                         |
| NCBI Official Symbol             | PRSS8                                                       |
| NCBI Official Synonym Symbols    | CAP1; PROSTATIC                                             |
| NCBI Protein Information         | prostatic; serine protease 8; channel-activating protease 1 |
| UniProt Protein Name             | Prostatic                                                   |
| UniProt Gene Name                | PRSS8                                                       |
| UniProt Synonym Gene Names       | CAP1                                                        |
| UniProt Entry Name               | PRSS8_HUMAN                                                 |

**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.