

Native Human Prostate Specific Antigen

02/21

CATALOG NO:	P1711-100 100 µg
ALTERNATE NAMES:	Kallikrein related peptidase 3; PSA; prostate-specific antigen; gamma-seminoprotein; P-30 antigen; Kallikrein-3; semenogelase; seminin; APS; KLK3; KLK2A1; HK3; EC 3.4.21.77; EC 3.4.21
MOL. WT.	34 kDa
NCBI GENE ID:	354
ACCESSION NO.:	P07288
PURITY:	≥ 95% by SDS-PAGE
SOURCE:	Human prostatic fluid
AMINO ACID SEQUENCE:	Full length native protein
FORM:	Lyophilized powder
FORMULATION:	Lyophilized from 50mM Ammonium Bicarbonate and low endotoxin.
RECONSTITUTION:	Reconstitute using neutral pH buffer of choice.
SPECIFIC ACTIVITY:	Activity verified by Accubind ELISA.
STORAGE CONDITIONS:	Store at -20 °C. Avoid repeated freeze-thaw cycles.
DESCRIPTION:	Prostate specific antigen (PSA) is a kallikrein, a subgroup of serine proteases with diverse physiological functions. PSA is synthesized in the epithelial cells of the prostate gland, and is present in seminal plasma. PSA is thought to promote liquefaction of seminal coagulum. Growing evidence suggests that many kallikreins, including PSA, are involved in carcinogenesis. PSA is therefore used as a diagnostic biomarker for prostate cancer and other diseases.
INFECTIOUS DISEASE TESTING:	Human donor material was tested and found to be negative for HIV-1 and HIV-2, HBsAg, HCV, syphilis, and HIV-1 antigen by current FDA approved methods.

RELATED PRODUCTS:

Human CellExp™ Kallikrein-3, Human Recombinant (Cat. No. 7415)
Kallikrein, Human Plasma (Cat. No. 4093)
Prostate Specific Antigen (Human Semen) (Cat. No. P1444)
Prostate Specific Antigen (PSA) Activity Assay Kit (Fluorometric) (Cat. No. K962)
Prostate Specific Antigen (Free, Human) ELISA Kit (Cat. No. K7432)

FOR RESEARCH USE ONLY! Not to be used on humans.