
Human Prostate Specific Antigen protein

Catalog Number: bs-41609P

AA Seq: Purified native protein

Predicted MW: 34

Activity: Yes

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Storage: Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: Kallikreins are a subgroup of serine proteases having diverse physiological functions.

Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008].

PRODUCT SPECIFIC PUBLICATIONS

[IF=14.7] Chen Ke. et al. Atomic-scale strain engineering of atomically resolved Pt clusters transcending natural enzymes. NAT COMMUN. 2024 Sep;15(1):1-18 ; . 39333142

[IF=8.008] Xuwen Gao. et al. Luminophore-Surface-Engineering-Enabled Low-Triggering-Potential and Coreactant-Free Electrochemiluminescence for Protein Determination. ANAL CHEM. 2023;95(17):6948–6954 Other ; . 37083347

[IF=8.008] Li Fu. et al. A General Route for Chemiluminescence of n-Type Au Nanocrystals. ANAL CHEM. 2022;94(24):8811–8817 Other ; . 35675670

[IF=8.008] Li Fu. et al. Coreactant-free and Near-Infrared Electrochemiluminescence Immunoassay with n-Type Au Nanocrystals as Luminophores. ANAL CHEM. 2022;94(34):11934–11939 Other ; Other . 35976331

[IF=8.008] Yuqi Xu. et al. Surface Defect-Involved and Single-Color Electrochemiluminescence of Gold Nanoclusters for Immunoassay. ANAL CHEM. 2022;94(35):12070–12077 Other ; Other . 35994734