

Prostate Specific Antigen

Cat. No. CDA020 Lot. No. (See product label)

SPECIFICATION

Product Overview

Source	Human Seminal Fluid
Description	Prostate specific antigen is a protein produced by the cells of the prostate gland. PSA is present in small quantities in the serum of normal men, and is often elevated in the presence of prostate cancer and in other prostate disorders. A blood test to measure PSA is the most effective test currently available for the early detection of prostate cancer. Rising levels of PSA over time are associated with both localized and metastatic prostate cancer (CaP).
Format	Purified, Liquid
Purification	>95% pure (SDS PAGE non-reducing) Electrophoresis: single band 30kDa. Product is 0.2um filtered.
Concentration	Specific protein concentration: 1.0mg/ml (Canag ELISA)
Buffer	PBS, pH 7.4 ± 0.2
Applications	Specific methodologies have not been tested using this product.
Storage	Store at -20°C. Avoid multiple freeze/thaw cycles.
Warnings	All donor units tested negative for HIV 1, HIV 2, HCV antibodies and HBsAg. No test

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guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.

GENE INFORMATION

Gene Name	KLK3
Synonyms	kallikrein-related peptidase 3; APS; PSA; hK3; KLK2A1; kallikrein 3, (prostate specific antigen)"; KLK3_HUMAN; Prostate-specific antigen [Precursor]; EC3.4.21.77; Kallikrein-3; Semenogelase; Gamma-seminoprotein; Semin; P-30 antigen; KLK2A1; kallikrein-related peptidase 3; prostate specific antigen.
Gene ID	354
mRNA Refseq	NM_001030047
Protein Refseq	NP_001025218
MIM	176820
UniProt ID	P07288
Chromosome Location	19q13.41
Pathway	Prostate cancer
Function	catalytic activity; peptidase activity; serine-type endopeptidase activity.

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