

Native Human Prostate Specific Antigen

Cat. No. KLK3-8247H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Prostate Specific Antigen was purified from Human Seminal Fluid.
Species	Human
Source	Human Seminal Fluid
Description	Prostate-specific antigen (PSA) also known as gamma-seminoprotein or kallikrein-3 is a glycoprotein that in humans is encoded by the KLK3 gene. PSA is produced for the ejaculate where it liquifies the semen in the seminal coagulum and allows sperm to swim freely. PSA is also believed to be instrumental in dissolving the cervical mucous, allowing the entry of sperm.
Form	Phosphate buffer and sodium chloride solution
Molecular Mass	34,000 monomeric protein
Purity	>98% by SDS-PAGE
Storage	2-8 °C
Concentration	Typically >2.0 mg/mL

GENE INFORMATION

Gene Name	KLK3 kallikrein-related peptidase 3 [Homo sapiens]
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Official Symbol	KLK3
Synonyms	KLK3; kallikrein-related peptidase 3; APS, kallikrein 3, (prostate specific antigen); prostate-specific antigen; PSA; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen; APS; hK3; KLK2A1;
Gene ID	354
mRNA Refseq	NM_001030047
Protein Refseq	NP_001025218
MIM	176820
UniProt ID	P07288
Chromosome Location	19q13.41
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Prostate cancer, organism-specific biosystem; Prostate cancer, conserved biosystem;
Function	peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity;

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