

[Go to Product page](#)

Datasheet for ABIN7197538

**Prostate Specific Antigen Protein (PSA) (His tag)**

## Overview

Quantity:	50 µg
Target:	Prostate Specific Antigen (PSA)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Prostate Specific Antigen protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human PSA/KLK3 Protein (His Tag)(Active)
Sequence:	Met 1-Pro 261
Characteristics:	A DNA sequence encoding the human KLK3 (P07288) (Met 1-Pro 261) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to cleave the colorimetric peptide substrate, Succinyl-Arg-Pro-Tyr-p-Nitroanilide(Suc-RPY-pNA). The specific activity is >100 pmoles/min/µg.(Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)

## Target Details

Target:	Prostate Specific Antigen (PSA)
---------	---------------------------------

## Target Details

Alternative Name:	PSA/KLK3 ( <a href="#">PSA Products</a> )
Background:	<p>Background: KLK3(Kallikrein 3); also known as Prostate Specific Antigen (PSA); kallikrein-related peptidase 3; Gamma-seminoprotein; is a secreted protein of the glandular kallikrein subfamily of serine proteases.KLK3 contains one peptidase S1 domain.KLK3 is a glycoprotein produced almost exclusively by the prostate gland. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers.Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy</p> <p>Synonym: APS;Hk3;KLK2A1;PSA;Prostate-Specific Antigen; PSA; Gamma-Seminoprotein; Semin; Kallikrein-3; P-30 Antigen; Semenogelase;</p>
Molecular Weight:	28.3 kDa
UniProt:	<a href="#">P07288</a>
Pathways:	<a href="#">Complement System</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.