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Datasheet for ABIN7504454

**Prostate Specific Antigen Protein (PSA) (AA 18-261) (His tag)**

## Overview

Quantity:	100 µg
Target:	Prostate Specific Antigen (PSA)
Protein Characteristics:	AA 18-261
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prostate Specific Antigen protein is labelled with His tag.

## Product Details

Purpose:	Human Kallikrein 3/PSA Protein
Sequence:	Ala18-Pro261
Characteristics:	Recombinant Human Kallikrein 3/PSA Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala18-Pro261.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	Prostate Specific Antigen (PSA)
Alternative Name:	Kallikrein 3 ( <a href="#">PSA Products</a> )

## Target Details

Background:	Kallikrein-related peptidase 3 (KLK3), also known as prostate-specific antigen (PSA), is the most useful biomarker for prostate cancer (PCa). KLK3 is suggested to play a role in regulating cancer growth through anti-angiogenic activity in vivo and in vitro.
Molecular Weight:	27.93 kDa. Due to glycosylation, the protein migrates to 32-38 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Complement System</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months