

Datasheet for ABIN7275494

**PSMA Protein (AA 45-752) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PSMA (FOLH1)
Protein Characteristics:	AA 45-752
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMA protein is labelled with His tag.

## Product Details

Purpose:	Mouse PSMA/FOLH1 Protein
Sequence:	Lys45-Ala752
Characteristics:	Recombinant Mouse PSMA/FOLH1 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Lys45-Ala752.
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:	PSMA (FOLH1)
Alternative Name:	PSMA ( <a href="#">FOLH1 Products</a> )

## Target Details

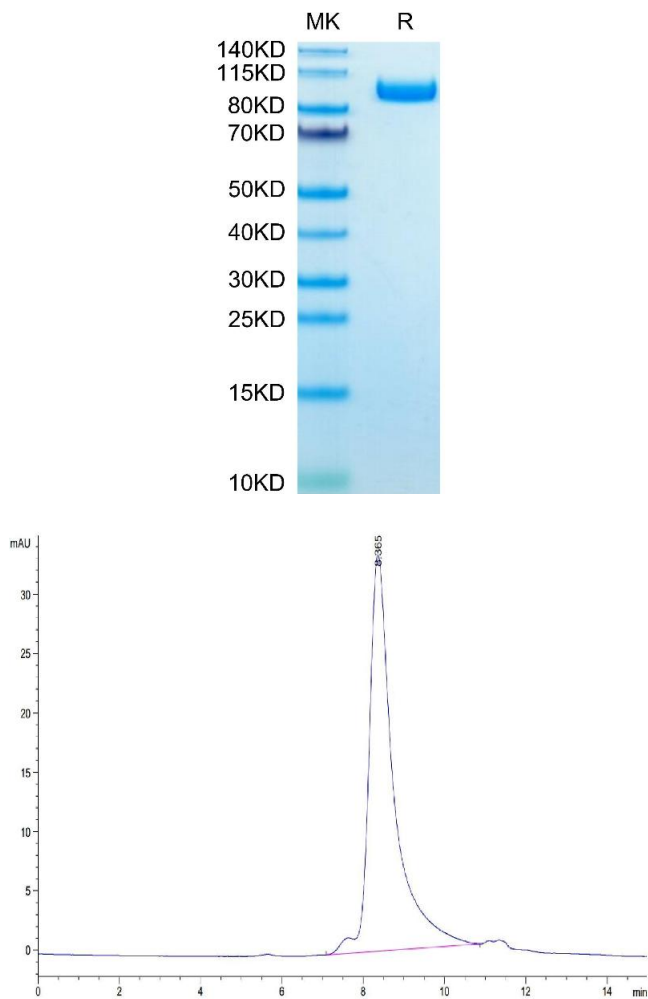
Background:	Prostate-specific membrane antigen (PSMA) is an enzyme that in humans is encoded by the FOLH1 (folate hydrolase 1) gene, also known as Glutamate carboxypeptidase II (GCPII). Human PSMA is highly expressed in the prostate, roughly a hundred times greater than in most other tissues. In some prostate cancers, PSMA is the second-most upregulated gene product, with an 8- to 12-fold increase over levels in noncancerous prostate cells.
Molecular Weight:	80.6 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">O35409</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 0.22µm 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



SDS-PAGE

**Image 1.** Mouse PSMA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse PSMA is greater than 95 % as determined by SEC-HPLC.