

Datasheet for ABIN7275489

PSMA Protein (AA 44-750) (His tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	PSMA (FOLH1)
Protein Characteristics:	AA 44-750
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSMA protein is labelled with His tag,Biotin.

Product Details

Purpose:	Biotinylated Cynomolgus PSMA/FOLH1 Protein (Primary Amine Labeling)
Sequence:	Lys44-Ala750
Characteristics:	Recombinant Biotinylated Cynomolgus PSMA/FOLH1 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the N-Terminus.It contains Lys44-Ala750.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Anti-PSMA Antibody, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Cynomolgus PSMA, His Tag with the EC50 of 21.2ng/ml determined by ELISA. See testing image for detail.

Target Details

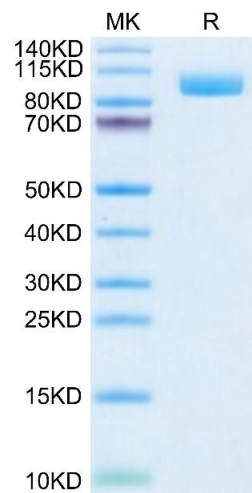
Target:	PSMA (FOLH1)
Alternative Name:	PSMA (FOLH1 Products)
Background:	Prostate-specific membrane antigen (PSMA) is an enzyme that in humans is encoded by the FOLH1 (folate hydrolase 1) gene, also known as Glutamate carboxypeptidase II (GCPII). Human PSMA is highly expressed in the prostate, roughly 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:	A0A2K5VNZ0

Application Details

Restrictions:	For Research Use only
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Handling

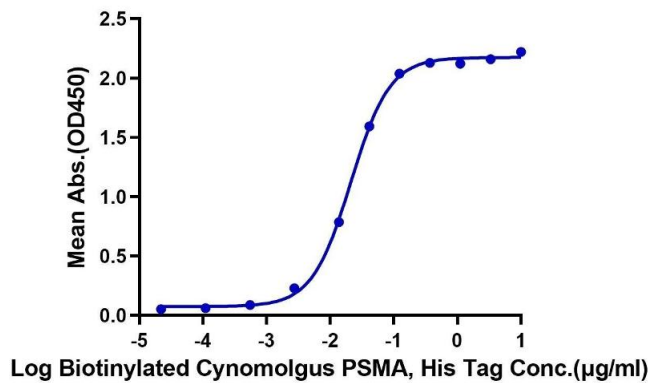
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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. Biotinylated Cynomolgus PSMA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Biotinylated Cynomolgus PSMA, His Tag ELISA
0.05µg Anti-PSMA Antibody, hFc Tag Per Well



ELISA

Image 2. Immobilized Anti-PSMA Antibody, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Cynomolgus PSMA, His Tag with the EC50 of 21.2 ng/mL determined by ELISA.