

Biotinylated Cynomolgus PSMA/FOLH1 Protein (Primary Amine Labeling)



Cat. No. PSM-CM110B

Description

Source	Recombinant Biotinylated Cynomolgus PSMA/FOLH1 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the N-Terminus. It contains Lys44-Ala750.
Accession	A0A2K5VNZ0
Molecular Weight	The protein has a predicted MW of 80.6 kDa. Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

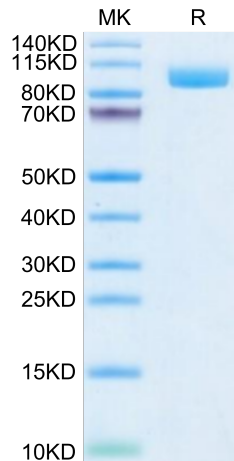
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

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.

Assay Data

Tris-Bis PAGE



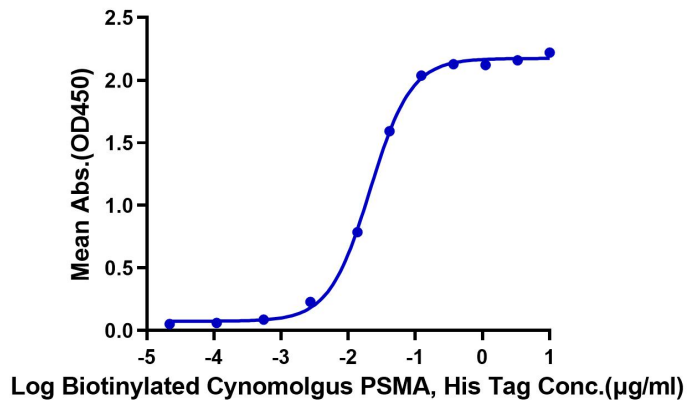
Biotinylated Cynomolgus PSMA on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Biotinylated Cynomolgus PSMA, His Tag ELISA

0.05µg Anti-PSMA Antibody, hFc Tag Per Well



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.