

PSMA Protein, Cynomolgus, Recombinant (His)

General Information

Synonyms:	PSMA;FOLHNAALADase I;FGCP;GCPII;PSMAFGCP;NAALADase I;PSM;NAALAD1;GIG27;FOLH;GCPIImGCP;GCP2;mGCP;NAALADase;Folate hydrolase 1;FOLH1
Protein Construction:	Lys44-Ala750
Species:	Cynomolgus
Expression Host:	HEK293 Cells
Accession:	A0A2K5VNZ0
Molecular Weight:	80.6 kDa (predicted). Due to glycosylation, the protein migrates to 90-110 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized Cynomolgus PSMA, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-PSMA Antibody, hFc Tag with the EC50 of 5.0ng/ml determined by ELISA (QC Test).
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Reference

Song C, et al. Antitumor Activity of MEDI3726 (ADCT-401), a Pyrrolobenzodiazepine Antibody-drug Conjugate Targeting PSMA, in Pre-clinical Models of Prostate Cancer[J]. Molecular Cancer Therapeutics, 2018:molcanther.0982.2017-.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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