

PSMA Recombinant Protein | FOLH1 recombinant protein

PSMA Protein, Mouse, Recombinant (His Tag)

CATALOG #
AAA258145

HOST
HEK293 Cells

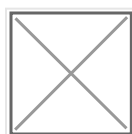
PRODUCT SYNONYMS

PSMA; PSMA Protein; Mouse; Recombinant (His Tag); Mouse PSMA/FOLH1 Protein (His Tag); GCP2 Protein; mopsm Protein; folate hydrolase (prostate-specific membrane antigen) 1; FOLH1 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>88% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Ile44-Ala7 52
Species	Mouse
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	His
Tag	N-His
Protein Construction	A DNA sequence encoding the mouse FOLH1 (NP_058050.3) extracellular domain (Ile 44-Ala 752) was expressed, fused with a polyhistidine tag at the N-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Store it under sterile conditions at -20 degree C to -80 degree C upon receiving. Recommended to aliquot the protein into smaller quantities for optimal storage.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for FOLH1 recombinant protein	Background: Glutamate carboxypeptidase 2, also known as Glutamate carboxypeptidase II, Membrane glutamate carboxypeptidase, Prostate-specific membrane antigen, GCP2, PSMA, FOLH1, and NAALAD1, is a single-pass type II membrane protein which belongs to the peptidase M28 family and M28B subfamily. FOLH1 is highly expressed in prostate epithelium. It is detected in urinary bladder, kidney, testis, ovary, fallopian tube, breast, adrenal gland, liver, esophagus, stomach, small intestine, colon, brain (at protein level), and the capillary endothelium of a variety of tumors. FOLH1 has both folate hydrolase and N-acetylated alpha linked acidic dipeptidase (NAALADase) activity. It has a preference for tri-alpha-glutamate peptides. Genetic variation in FOLH1 may be associated with low folate levels and consequent hyperhomocysteinemia. This condition can result in increased risk of cardiovascular disease, neural tube defects, and cognitive deficits. FOLH1 also shows a promising role in directed imaging and therapy of recurrent or metastatic disease.
Product Categories/Family for FOLH1 recombinant protein	Cancer Drug Targets Neurotransmitter Associated Enzymes
References	Israeli R.S., et al.,(1993), Molecular cloning of a complementary DNA encoding a prostate-specific membrane antigen. Cancer Res. 53:227-230. Su S.L., et al., (1995), Alternatively spliced variants of prostate-specific membrane antigen RNA: ratio of expression as a potential measurement of progression.Cancer Res. 55:1441-1443. O'Keefe D.S., et al.,(1998), Mapping, genomic organization and promoter analysis of the human prostate-specific membrane antigen gene.Biochim. Biophys. Acta 1443:113-127.

NCBI AND UNIPROT INFORMATION

NCBI GI #	228008367
NCBI GeneID	53320
NCBI Accession #	NP_058050.3
NCBI GenBank Nucleotide #	NM_016770.3
UniProt Accession #	O35409; Q0VDM5; Q9DCC2
Molecular Weight	84,574 Da
NCBI Official Full Name	glutamate carboxypeptidase 2 isoform 1
NCBI Official Synonym Full Names	folate hydrolase 1
NCBI Official Symbol	Folh1
NCBI Official Synonym Symbols	GCP2; mopsm
NCBI Protein Information	glutamate carboxypeptidase 2
UniProt Protein Name	Glutamate carboxypeptidase 2
UniProt Gene Name	Folh1
UniProt Synonym Gene Names	Mopsm; Naalad1; FGCP; GCP2; mGCP; NAALADase I

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/folh1-recombinant-protein-hek293-cells/258145>