PSMAL Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	PSMAL (FOLH1B), Blocking Peptide
Full Product Name	PSMAL Antibody (C-term) Blocking peptide
Product Gene Name	FOLH1B blocking peptide
Product Synonym Gene Name	PSMAL
Product Synonym Names	Putative N-acetylated-alpha-linked acidic dipeptidase; NAALADase; 34--; Cell growth-inhibiting gene 26 protein; Prostate-specific membrane antigen-like protein; Putative folate hydrolase 1B; FOLH1B; PSMAL
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	PSMAL peptide (MBS9218770) is used for blocking the activity of PSMAL antibody (MBS9206643)
Molecular Weight	50,045 Da
OMIM	609020
Cellular Location	Cytoplasm.
Tissue Location	Kidney and liver. Not expressed in the prostate.
Related Product Information for FOLH1B blocking peptide	Has both folate hydrolase and N-acetylated-alpha-linked- acidic dipeptidase (NAALADase) activity.
Other Notes	Small volumes of FOLH1B blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FOLH1B purchase	MBS9218770 is a blocking peptide targeting FOLH1B. Also known as PSMAL Antibody (C-term) Blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FOLH1B. It may not necessarily be applicable to this product.

NCBI GI #	74718738
NCBI GeneID	219595
NCBI Accession #	Q9HBA9.1
UniProt Primary Accession #	Q9HBA9
UniProt Related Accession #	Q9HBA9
NCBI Official Full Name	Putative N-acetylated-alpha-linked acidic dipeptidase
NCBI Official Synonym Full Names	folate hydrolase 1B
NCBI Official Symbol	FOLH1B
NCBI Official Synonym Symbols	PSM; GCP3; FOLH2; FOLHP; PSMAL; GCPIII; PSMA-LIKE
UniProt Protein Name	Putative N-acetylated-alpha-linked acidic dipeptidase

UniProt Synonym Protein Names	Cell growth-inhibiting gene 26 protein; Prostate-specific membrane antigen-like protein; Putative folate hydrolase 1B
Protein Family	Putative N-acetylated-alpha-linked acidic dipeptidase
UniProt Gene Name	FOLH1B
UniProt Synonym Gene Names	PSMAL; NAALADase
UniProt Entry Name	FOH1B_HUMAN
NCBI Protein Information	putative N-acetylated-alpha-linked acidic dipeptidase
UniProt Comments for FOLH1B	PSMAL: Has both folate hydrolase and N-acetylated-alpha-linked- acidic dipeptidase (NAALADase) activity. Belongs to the peptidase M28 family. M28B subfamily. Protein type: EC 3.4.-.- Chromosomal Location of Human Ortholog: 11q14.3 Cellular Component: plasma membrane Molecular Function: dipeptidase activity; metallocarboxypeptidase activity Biological Process: amino acid biosynthetic process
Research Articles on FOLH1B	**1.** comparison of X-ray crystallography GCPIII structures with the equivalent GCPII complexes reveals differences in the organization of specificity pockets, in surface charge distribution, and in the occupancy of the co-catalytic zinc sites
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