PDZD11 cDNA Clone – PDZ Domain-Containing Protein 11 Isoform 1

PRODUCT OVERVIEW

Product Name	PDZD11, cDNA Clone
Full Product Name	PDZD11
Product Gene Name	PDZD11 cdna clone
Product Synonym Names	AIPP1; PDZK11; PISP
Sequence	Nucleotide Sequence: ATGGACAGCC GGATTCCTTA TGATGACTAC CCGGTGGTTT TCTTGCCTGC CTATGAGAAT CCTCCAGCAT GGATTCCTCC TCATGAGAGG GTACACCACC CGGACTACAA CAATGAGTTG ACCCAGTTTC TGCCCCGAAC CATCACACTG AAGAAGCCTC CTGGAGCTCA GTTGGGATTT AACATCCGAG GAGGAAAGGC CTCCCAGCTA GGCATCTTCA TCTCCAAGGT GATTCCTGAC TCTGATGCAC ATAGAGCAGG ACTGCAGGAA GGGGACCAAG TTCTAGCTGT GAATGATGTG GATTTCCAAG ATATTGAGCA CAGCAAGGCT GTTGAGATCC TGAAGACAGC TCGTGAAATC AGCATGCGTG TGCGCTTCTT TCCCTACAAT TATCATCGCC AAAAAGAGAG GACTGTGCAC TAG Translati on Sequence: MDSRIPYDDY PVVFLPAYEN PPAWIPPHER VHHPDYNNEL TQFLPRTITL KKPPGAQLGF NIRGGKASQL GIFISKVIPD SDAHRAGLQE GDQVLAVNDV DFQDIEHSKA VEILKTAREI SMRVRFFPYN YHRQKERTVH
Form/Format	Lyophilized
Preparation and Storage	Store the plasmid at -20 degree C.
OMIM	300632
3D Structure	ModBase 3D Structure for Q5EBL8
Species	Human
Chromosome Location	Xq13.1
OMIM Reference Number	300632
cDNA Size	423bp
Vector Description	This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.
Vector	(puc19-derived cloning vector)
Preparation Before Usage	1. Centrifuge at 7000rpm for 1 minute. 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.
Related Product Information for PDZD11 cdna clone	PDZD11 is a cytosolic protein which contains one PDZ (DHR) domain. It is ubiquitously expressed, and appears to target calcium and copper ATPases to basolateral cell membranes. It is a transiently interacting partner of the PMCA b-splice forms that may play a role in their sorting to or from the plasma membrane.
Other Notes	Small volumes of PDZD11 cdna clone 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 PDZD11 purchase	MBS200823 is a cDNA clone targeting PDZD11.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDZD11. It may not necessarily be applicable to this product.

NCBI GI #	7706025
NCBI GeneID	51248
NCBI Accession #	NP_057568.1
UniProt Primary Accession #	Q5EBL8
UniProt Related Accession #	Q5EBL8
GenBank Nucleotide #	NM_016484.4
NCBI Official Full Name	PDZ domain-containing protein 11 isoform 1
NCBI Official Synonym Full Names	PDZ domain containing 11
NCBI Official Symbol	PDZD11
NCBI Official Synonym Symbols	PISP; AIPP1; PDZK11
UniProt Protein Name	PDZ domain-containing protein 11
UniProt Synonym Protein Names	ATPase-interacting PDZ protein; Plasma membrane calcium ATPase-interacting single-PDZ protein; PMCA-interacting single-PDZ protein
Protein Family	PDZ domain-containing protein
UniProt Gene Name	PDZD11
UniProt Synonym Gene Names	AIPP1; PDZK11; PISP; PMCA-interacting single-PDZ protein
UniProt Entry Name	PDZ11_HUMAN
NCBI Protein Information	PDZ domain-containing protein 11
UniProt Comments for PDZD11	PDZD11: 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: Xq13.1 Cellular Component: basolateral plasma membrane; extracellular region; synapse; intercellular junction; cytosol Molecular Function: protein C-terminus binding; protein binding Biological Process: asymmetric protein localization; vitamin metabolic process; exocytosis; neurotransmitter secretion; pantothenate metabolic process; maintenance of epithelial cell polarity; transmembrane transport; biotin metabolic process; water-soluble vitamin metabolic process
Research Articles on PDZD11	**1.** PDZD11 forms a complex with nectin-1 and nectin-3, and its PDZ domain interacts directly with the PDZ-binding motif of nectin-1.
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