Protein-L-Isoaspartate O-Methyltransferase 2 (pcm2) Marinobacter Aquaeolei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein-L-isoaspartate O-methyltransferase 2 (pcm2), Recombinant Protein
Full Product Name	Recombinant Marinobacter aquaeolei Protein-L-isoaspartate O-methyltransferase 2 (pcm2)
Product Gene Name	pcm2 recombinant protein
Product Synonym Gene Name	pcm2; Maqu_2892
Product Synonym Names	Protein-L-isoaspartate O-methyltransferase 2; EC=2.1.1.77; L-isoaspartyl protein carboxyl methyltransferase 2; Protein L-isoaspartyl methyltransferase 2; Protein-beta-aspartate methyltransferase 2; PIMT 2
Sequence	MNKDGQDLSD IRRAMVRCQL VPRGISDGRV LEAMERVPRE QFVPEHLRFE AYEDHPVPIG QGQTISQPYI VALMAEALCL KGRERVLDIG TGSGYAAAVL ASLALEVFSI ERIPELAAQA RKNLDRTGFT QVHVKCADGT LGWPEAAPFD GICVAAGAPA VPAALKQQLA VGGRLVIPVG TEGGLQQLLC ITRLSDSEYE QASYGDVRFV PLLGEEGWP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	23,650 Da
Sequence Positions	1-219aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for A1U4P7
Species	Marinobacter aquaeolei (strain 700491 / DSM 11845 / VT8) (Marinobacter hydrocarbonoclasticus (strain DSM 11845))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pcm2 recombinant protein	MBS1218237 is a recombinant protein targeting pcm2. Also known as Recombinant Marinobacter aquaeolei Protein-L-isoaspartate O-methyltransferase 2 (pcm2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. pcm2
Other Notes	Small volumes of pcm2 recombinant protein 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for pcm2. It may not necessarily be applicable to this product.

NCBI GI #	120555802
NCBI GeneID	4655535

NCBI Accession #	YP_960153.1
UniProt Primary Accession #	A1U4P7
UniProt Related Accession #	A1U4P7
GenBank Nucleotide #	NC_008740.1
NCBI Official Full Name	protein-L-isoaspartate O-methyltransferase
NCBI Official Symbol	Maqu_2892
UniProt Protein Name	Protein-L-isoaspartate O-methyltransferase 2
UniProt Synonym Protein Names	L-isoaspartyl protein carboxyl methyltransferase 2; Protein L-isoaspartyl methyltransferase 2; Protein-beta-aspartate methyltransferase 2
Protein Family	Calmodulin
UniProt Gene Name	pcm2
UniProt Synonym Gene Names	PIMT 2
UniProt Entry Name	PIMT2_MARAV
NCBI Protein Information	protein-L-isoaspartate O-methyltransferase
UniProt Comments for pcm2	Catalyzes the methyl esterification of L-isoaspartyl residues in peptides and proteins that result from spontaneous decomposition of normal L-aspartyl and L-asparaginyl residues. It plays a role in the repair and/or degradation of damaged proteins.
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