Protein-L-Isoaspartate O-Methyltransferase (pcm) Shewanella Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein-L-isoaspartate O-methyltransferase (pcm), Recombinant Protein
Full Product Name	Recombinant Shewanella sp. Protein-L-isoaspartate O-methyltransferase (pcm)
Product Gene Name	pcm recombinant protein
Sequence	MTRVALTSAV NLAKKLQEAG IRHPAVLKAI SRTPRELFLD NALAHKAYEN TALPIGQGQT ISQPYIVARM TELLLQHQPQ KVLEVGTGSG YQAAILAQLV PELCTIERIK GLQIQARQRL KRLDLHNVSF KYGDGWQGWP NRSPFDGIMV TAAAAKVPEA LLSQLAEGGV LIIPVGEETQ QLMRFTRRSD RFSSEVIETV KFVPLINGEL A
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	23,274 Da
Sequence Positions	1-211, 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 A0KU88
Species	Shewanella sp. (strain ANA-3)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pcm recombinant protein	MBS1251378 is a recombinant protein targeting pcm. Also known as Recombinant Shewanella sp. Protein-L-isoaspartate O-methyltransferase (pcm). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pcm 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 pcm. It may not necessarily be applicable to this product.

NCBI GI #	500035504
NCBI Accession #	WP_011716222.1
UniProt Primary Accession #	A0KU88
GenBank Nucleotide #	WP_011716222.1
NCBI Official Full Name	MULTISPECIES: protein-L-isoaspartate O-methyltransferase
UniProt Protein Name	Protein-L-isoaspartate O-methyltransferase
UniProt Synonym Protein Names	L-isoaspartyl protein carboxyl methyltransferase

Protein Family	Protein-L-isoaspartate O-methyltransferase
UniProt Gene Name	pcm
UniProt Synonym Gene Names	PIMT
UniProt Comments for pcm	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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