Methenyltetrahydromethanopterin Cyclohydrolase (mch) Methanosarcina Mazei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methenyltetrahydromethanopterin cyclohydrolase (mch), Recombinant Protein
Full Product Name	Recombinant Methanosarcina mazei Methenyltetrahydromethanopterin cyclohydrolase (mch)
Product Gene Name	mch recombinant protein
Product Synonym Gene Name	mch; MM_2653
Product Synonym Names	Methenyltetrahydromethanopterin cyclohydrolase; EC=3.5.4.27; Methenyl-H4MPT cyclohydrolase
Sequence	MISVNEMGSY VIEEMLDWSE DLKTEVIKLE NGATIIDCGI KAEGGYEAGM YLARLCLADL ADLKYSTFDL NGIKWPAIQV ATDNPVIACM ASQYAGWRIS VGNYFGMGSG PARALGLKPK ELYEEIGYED DFEAAVLVME SDKLPDEKVV EYIAKHCSVD PENVMIAVAP TASIAGSVQI SARVVETGIH KFESIGFDIN CIKSGYGIAP IAPIVGNDVQ CMGSTNDCVI YCGETNYTVS FEGELAKLED FVRKVPSTTS DDFGKPFYQT FKAANFDFFK VDAGMFAPAR VTVNDLKNKK TISSGGLYPE ILLESFGIRK V
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	34,982 Da
Sequence Positions	1-321aa; 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 Q8PTR0
Species	Methanosarcina mazei (strain BAA-159 / DSM 3647 / Goe1 / Go1 / JCM 11833 / OCM 88) (Methanosarcina frisia)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mch recombinant protein	MBS1403090 is a recombinant protein targeting mch. Also known as Recombinant Methanosarcina mazei Methenyltetrahydromethanopterin cyclohydrolase (mch). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mch 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 mch. It may not necessarily be applicable to this product.

NCBI GI #	21228755
NCBI GeneID	1480995
NCBI Accession #	NP_634677.1

UniProt Primary Accession #	Q8PTR0
UniProt Related Accession #	Q8PTR0
GenBank Nucleotide #	NC_003901.1
NCBI Official Full Name	N(5),N(10)-methenyltetrahydromethanopterin cyclohydrolase
NCBI Official Symbol	MM_2653
UniProt Protein Name	Methenyltetrahydromethanopterin cyclohydrolase
UniProt Synonym Protein Names	Methenyl-H4MPT cyclohydrolase
Protein Family	Beta-methylmalyl-CoA dehydratase
UniProt Gene Name	mch
UniProt Synonym Gene Names	MM_2653
UniProt Entry Name	MCH_METMA
NCBI Protein Information	N(5),N(10)-methenyltetrahydromethanopterin cyclohydrolase
UniProt Comments for mch	Catalyzes the reversible interconversion of 5-formyl-H4MPT to methenyl-H4MPT+.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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