Probable Methylcobalamin:homocysteine Methyltransferase (metE) Pyrococcus Furiosus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable methylcobalamin:homocysteine methyltransferase (metE), Recombinant Protein
Full Product Name	Recombinant Pyrococcus furiosus Probable methylcobalamin:homocysteine methyltransferase (metE)
Product Gene Name	metE recombinant protein
Product Synonym Gene Name	metE
Sequence	MELPILPTSV IGSYPKPRWL LRMYKLRELG KIPEEDFKEA VRDASISVLR EHERAGIDIP WDGEMGRSEM TEYFTSKIKG FKFYGPVRVW GNAYFNKAAA VDKLEYEEPL VLDEFLWVKE NTTREIVKIP ITGPYTIAEW SFNEYYPDKE SFVMDLAEII NKELKVLEKH GAKFVQLDEP AMLNHPSEVP LAVDAINRAV KGIKMKVGLH VCYSNYNLLA DYFDEIKVTQ FALEFANRNF RDMDFLKKLS NKELGFGVVD VHNPRVESVE EIRQAIKKVF TYLEPEWVYI NPDCGLKLLD RKIAYQKLVN MVQAVRGVRK ELEKEGKTTI EFRTLKDI
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	39,315 Da
Sequence Positions	1-338, 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 Q8TH63
Species	Pyrococcus furiosus (strain 43587 / DSM 3638 / JCM 8422 / Vc1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metE recombinant protein	MBS1304473 is a recombinant protein targeting metE. Also known as Recombinant Pyrococcus furiosus Probable methylcobalamin:homocysteine methyltransferase (metE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of metE 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 metE. It may not necessarily be applicable to this product.

NCBI GI #	499321921
NCBI GeneID	1469142
NCBI Accession #	WP_011012413.1
UniProt Primary Accession #	Q8TH63

UniProt Related Accession #	Q8TH63
GenBank Nucleotide #	WP_011012413.1
NCBI Official Full Name	methionine synthase
NCBI Official Symbol	PF_RS06345
UniProt Protein Name	Methionine synthase
UniProt Synonym Protein Names	Homocysteine methyltransferase
Protein Family	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase
UniProt Gene Name	metE
NCBI Protein Information	methionine synthase
UniProt Comments for metE	Catalyzes the transfer of a methyl group to L-homocysteine resulting in methionine formation. The physiological methyl donor is unknown ().
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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