5-Methyltetrahydropteroyltriglutamate--Homocysteine Methyltransferase (metE) Lactococcus Lactis Subsp. Lactis Recombinant Protein

PRODUCT OVERVIEW

Product Name	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase (metE), Recombinant Protein
Full Product Name	Recombinant Lactococcus lactis subsp. lactis 5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase (metE), partial
Product Gene Name	metE recombinant protein
Product Synonym Gene Name	metE
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	87,248 Da
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 Q9CG55
Species	Lactococcus lactis subsp. lactis (strain IL1403) (Streptococcus lactis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metE recombinant protein	MBS1473692 is a recombinant protein targeting metE. Also known as Recombinant Lactococcus lactis subsp. lactis 5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase (metE), partial. 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 #	13878577
NCBI Accession #	Q9CG55.1
UniProt Primary Accession #	Q9CG55
NCBI Official Full Name	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase
UniProt Protein Name	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase
UniProt Synonym Protein Names	Cobalamin-independent methionine synthase; Methionine synthase, vitamin-B12 independent isozyme
Protein Family	5-methyltetrahydropteroyltriglutamate--homocysteine methyltransferase

UniProt Gene Name	metE
UniProt Comments for metE	Catalyzes the transfer of a methyl group from 5-methyltetrahydrofolate to homocysteine resulting in methionine formation.
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