Methionine--Trna Ligase (metG) Xanthomonas Campestris Pv. Campestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methionine--tRNA ligase (metG), Recombinant Protein
Full Product Name	Recombinant Xanthomonas campestris pv. campestris Methionine--tRNA ligase (metG), partial
Product Gene Name	metG recombinant protein
Product Synonym Gene Name	metG
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	75,573 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 Q4USM5
Species	Xanthomonas campestris pv. campestris (strain 8004)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metG recombinant protein	MBS1340401 is a recombinant protein targeting metG. Also known as Recombinant Xanthomonas campestris pv. campestris Methionine--tRNA ligase (metG), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of metG 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 metG. It may not necessarily be applicable to this product.

NCBI GI #	499346992
NCBI GeneID	1001748
NCBI Accession #	WP_011036531.1
UniProt Primary Accession #	Q4USM5
UniProt Related Accession #	Q8PAY7
GenBank Nucleotide #	WP_011036531.1
NCBI Official Full Name	methionine--tRNA ligase
NCBI Official Symbol	metG

UniProt Protein Name	Methionine--tRNA ligase
UniProt Synonym Protein Names	Methionyl-tRNA synthetase
Protein Family	Methionine--tRNA ligase
UniProt Gene Name	metG
UniProt Synonym Gene Names	MetRS
NCBI Protein Information	methionyl-tRNA synthetase
UniProt Comments for metG	Is required not only for elongation of protein synthesis but also for the initiation of all mRNA translation through initiator tRNA(fMet) aminoacylation.
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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