Methionine--Trna Ligase (metG) Natronomonas Pharaonis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methionine--tRNA ligase (metG), Recombinant Protein
Full Product Name	Recombinant Natronomonas pharaonis 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	77,762 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 Q3IT47
Species	Natronomonas pharaonis (strain DSM 2160 / 35678)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metG recombinant protein	MBS1392774 is a recombinant protein targeting metG. Also known as Recombinant Natronomonas pharaonis 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 #	499641589
NCBI Accession #	WP_011322323.1
UniProt Primary Accession #	Q3IT47
GenBank Nucleotide #	WP_011322323.1
NCBI Official Full Name	methionine--tRNA ligase
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
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.
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