Methionine--Trna Ligase 1 (metG1) Alkaliphilus Oremlandii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methionine--tRNA ligase 1 (metG1), Recombinant Protein
Full Product Name	Recombinant Alkaliphilus oremlandii Methionine--tRNA ligase 1 (metG1), partial
Product Gene Name	metG1 recombinant protein
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	62,728 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 A8MG12
Species	Alkaliphilus oremlandii (strain OhILAs) (Clostridium oremlandii (strain OhILAs))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for metG1 recombinant protein	MBS1010163 is a recombinant protein targeting metG1. Also known as Recombinant Alkaliphilus oremlandii Methionine--tRNA ligase 1 (metG1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of metG1 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 metG1. It may not necessarily be applicable to this product.

NCBI GI #	501109235
NCBI Accession #	WP_012158862.1
UniProt Primary Accession #	A8MG12
GenBank Nucleotide #	WP_012158862.1
NCBI Official Full Name	methionine--tRNA ligase
UniProt Protein Name	Methionine--tRNA ligase 1
UniProt Synonym Protein Names	Methionyl-tRNA synthetase 1
Protein Family	Methionine--tRNA ligase
UniProt Gene Name	metG1
UniProt Synonym Gene Names	MetRS 1

UniProt Comments for metG1	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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