Methionine--Trna Ligase, Mitochondrial (AATS-met) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Methionine--tRNA ligase, mitochondrial (Aats-met), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Methionine--tRNA ligase, mitochondrial (Aats-met)
Product Gene Name	Aats-met recombinant protein
Product Synonym Gene Name	Aats-met
Sequence	REVFRSASIQ QDDFIRTTED RHKRAVANFW RTLHTRGHIY SAAYSGWYCV SDETFLTDSQ LRLDEATGTR YSLESGHPVE WTEETNYMFR LSQFQDDVRH WVKTEARVRP AKFEKILLDT LSEPLPDVSV SRPSNRVHWA IPVPDDDSQT VYVWLDALVN YLSSVGYPDE KFSAHWPPAQ QVIGKDILKF HGIYWTAFLL AAGLEPPGQL YVHSHWTVDG QKMSKSKHNV VDPLQAAQQY TMEGLRYFLL REGVAHSDGN YSHVKAQRIL NSELADTLGN LLSRASAKSL NPGQIYPSPS AEHLADLLRS LDVAKRLQDS LLQLSERCES HYECNHFHLV ADTTMAALHA ANNFFESSKP WTLKAGAPDG NQARLETIIA MTMDALRLSG IVLQPIIPQL ANRLLDKLSV PTAQRGWNYL AESFATSPNS SNSPAGLGES RQLDGQTSAL LFQRILEETS AKEVKEQKPQ PAKRSKSKKK ERRETMS
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	65,998 Da
Sequence Positions	96-582, 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 Q9VFL5
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Aats-met recombinant protein	MBS1331505 is a recombinant protein targeting Aats-met. Also known as Recombinant Drosophila melanogaster Methionine--tRNA ligase, mitochondrial (Aats-met). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Aats-met 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 Aats-met. It may not necessarily be applicable to this product.

NCBI GI #	442619035
NCBI GeneID	41733

NCBI Accession #	NP_001262564.1
UniProt Primary Accession #	Q9VFL5
UniProt Secondary Accession #	Q8T0Q6
UniProt Related Accession #	Q9VFL5
GenBank Nucleotide #	NM_001275635.2
NCBI Official Full Name	Methionyl-tRNA synthetase, mitochondrial, isoform B
NCBI Official Synonym Full Names	Methionyl-tRNA synthetase, mitochondrial
NCBI Official Symbol	MetRS-m
NCBI Official Synonym Symbols	Aats-met; Aats-met-m; CG31322; CG8684; CG9612; DmelCG31322; MetRS; MRS
UniProt Protein Name	Methionine--tRNA ligase, mitochondrial
UniProt Synonym Protein Names	Mitochondrial methionyl-tRNA synthetase; MtMetRS
UniProt Gene Name	Aats-met-m
UniProt Synonym Gene Names	MtMetRS
NCBI Protein Information	CG31322 gene product from transcript CG31322-RC
Research Articles on Aats-met	**1.** Loss of Aats-met in the eye results in retinal degeneration.
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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