5'-Methylthioadenosine/S-Adenosylhomocysteine Nucleosidase (mtnN) Shewanella Frigidimarina Recombinant Protein

PRODUCT OVERVIEW

Product Name	5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase (mtnN), Recombinant Protein
Full Product Name	Recombinant Shewanella frigidimarina 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase (mtnN)
Product Gene Name	mtnN recombinant protein
Product Synonym Gene Name	mtnN
Sequence	MKIGIIGAME PEVVHLVQAI VDPVHTTIAG IEFISGSIAG KDVVVTRSGI GKVAASIATT LLIEKFAATH VINTGSAGGF VDSLAIGDIV ISSEVRHHDV DVTAFGYEIG QMAQQPAAFM PDSTLVNAAK SAVAELGEVK AIEGLICTGD SFICDPVRTK VMRENFPTMA ACEMEGAAIA QVCHQFNVPF VVIRSLSDNA NNDSPVDFDS YIIKAGMHSA MMVIALLQQL
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	24,186 Da
Sequence Positions	1-230, 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 Q07YV9
Species	Shewanella frigidimarina (strain NCIMB 400)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtnN recombinant protein	MBS1342340 is a recombinant protein targeting mtnN. Also known as Recombinant Shewanella frigidimarina 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase (mtnN). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtnN 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 mtnN. It may not necessarily be applicable to this product.

NCBI GI #	499957680
NCBI Accession #	WP_011638414.1
UniProt Primary Accession #	Q07YV9
GenBank Nucleotide #	WP_011638414.1

NCBI Official Full Name	5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase
UniProt Protein Name	5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase
UniProt Synonym Protein Names	5'-methylthioadenosine nucleosidase
Protein Family	5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase
UniProt Gene Name	mtnN
UniProt Synonym Gene Names	MTA/SAH nucleosidase; MTAN; MTA nucleosidase; AdoHcy nucleosidase; SAH nucleosidase; SRH nucleosidase
UniProt Comments for mtnN	Catalyzes the irreversible cleavage of the glycosidic bond in both 5'-methylthioadenosine (MTA) and S-adenosylhomocysteine (SAH/AdoHcy) to adenine and the corresponding thioribose, 5'-methylthioribose and S-ribosylhomocysteine, respectively.
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