5-Methylthioadenosine/S-Adenosylhomocysteine Deaminase (mtaD) Desulfitobacterium Hafniense Recombinant Protein

PRODUCT OVERVIEW

Product Name	5-methylthioadenosine/S-adenosylhomocysteine deaminase (mtaD), Recombinant Protein
Full Product Name	Recombinant Desulfitobacterium hafniense 5-methylthioadenosine/S-adenosylhomocysteine deaminase (mtaD)
Product Gene Name	mtaD recombinant protein
Product Synonym Gene Name	mtaD
Sequence	MSKILIRAMV LPMTGPEDFY PEGEIGIEND RILFVGEKGS APDSFIPDQI IDLPEDVVMP GLINTHTHAA MTMLRSYADD LPLMPWLQTK IWPFEDKMSD EDIYWGTLLA LGEMIQSGTT TMLDMYASMD QVAKAVLEAG TRGVLSRGLI GNAPNGERAF AENIDLVKNY HGAGQGRIQV MFGPHAPYTC SGEFLQRVKQ EADRLGVGIH IHVAETEDEI KTIKEQYGKT PVQWLEELGL FGGHVVAAHC VHLTEEDQEI MAQNKVFIAH NPESNMKLNS GTAPIPELRS RGVVVGLGTD GTSSNNNLDM FGEMRSAAFQ QKLVKGATAL PAYEVLQMAT VDGARTLGLH DVGVLAPGYK ADLISINFDQ PHFYPRFSIP AHLVYVAHAG DVRTVMVDGK ILMQERQLMT IDIKRVCREV EKRAKGIAQG L
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	47,440 Da
Sequence Positions	1-431, 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 Q24UA2
Species	Desulfitobacterium hafniense (strain Y51)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mtaD recombinant protein	MBS1305085 is a recombinant protein targeting mtaD. Also known as Recombinant Desulfitobacterium hafniense 5-methylthioadenosine/S-adenosylhomocysteine deaminase (mtaD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mtaD 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 mtaD. It may not necessarily be applicable to this product.

NCBI GI #	499779715
NCBI Accession #	WP_011460449.1

UniProt Primary Accession #	Q24UA2
GenBank Nucleotide #	WP_011460449.1
NCBI Official Full Name	5-methylthioadenosine/S-adenosylhomocysteine deaminase
UniProt Protein Name	5-methylthioadenosine/S-adenosylhomocysteine deaminase
Protein Family	5-methylthioadenosine/S-adenosylhomocysteine deaminase
UniProt Gene Name	mtaD
UniProt Synonym Gene Names	MTA/SAH deaminase
UniProt Comments for mtaD	Catalyzes the deamination of 5-methylthioadenosine and S-adenosyl-L-homocysteine into 5-methylthioinosine and S-inosyl-L-homocysteine, respectively. Is also able to deaminate adenosine.
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