Trans-Aconitate 2-Methyltransferase (tam) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trans-aconitate 2-methyltransferase (tam), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Trans-aconitate 2-methyltransferase (tam)
Product Gene Name	tam recombinant protein
Product Synonym Gene Name	tam
Sequence	SDWNPSLYLH FAAERSRPAV ELLARVPLEN VDYVADLGCG PGNSTALLHQ RWPAARITGI DSSPAMIAEA RSALPDCQFV EADIRNWQPE QALDLIFANA SLQWLPDHYE LFPHLVSLLN PQGVLAVQMP DNWLEPTHVL MREVAWEQNY PDRGRESLAG VHAYYDILSE AGCEVDIWRT TYYHQMPSHQ AIIDWVTATG LRPWLQDLTE SEQQLFLTRY HQMLKEQYPL QENGQILLAF PRLFIVARRT E
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	28,947 Da
Sequence Positions	2-252, 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 Q8XAZ2
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for tam recombinant protein	MBS1477683 is a recombinant protein targeting tam. Also known as Recombinant Escherichia coli O157:H7 Trans-aconitate 2-methyltransferase (tam). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of tam 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 tam. It may not necessarily be applicable to this product.

NCBI GI #	15831380
NCBI GeneID	917326
NCBI Accession #	NP_310153.1
UniProt Primary Accession #	Q8XAZ2
GenBank Nucleotide #	NC_002695.1

NCBI Official Full Name	trans-aconitate 2-methyltransferase
NCBI Official Symbol	ECs2126
UniProt Protein Name	Trans-aconitate 2-methyltransferase
Protein Family	Probable trans-aconitate 2-methyltransferase
UniProt Gene Name	tam
NCBI Protein Information	trans-aconitate 2-methyltransferase
UniProt Comments for tam	Catalyzes the S-adenosylmethionine monomethyl esterification of trans-aconitate at high affinity and of cis-aconitate, isocitrate, and citrate at lower velocities and affinities.
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