Alpha N-Terminal Protein Methyltransferase 1 (AT5G44450) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alpha N-terminal protein methyltransferase 1 (At5g44450), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Alpha N-terminal protein methyltransferase 1 (At5g44450)
Product Gene Name	At5g44450 recombinant protein
Product Synonym Gene Name	At5g44450
Sequence	MDICGVDSEG KEFNSVQEMW REEIGEGDET KKTQWYRDGV SYWEGVEASV DGVLGGYGHV NDADIIGSEV FLKTLLQERL VNNVGANQHL VALDCGSGIG RITKNLLIRY FNEVDLLEPV AQFLDAAREN LASAGSETHK ATNFFCVPLQ EFTPAAGRYD VIWVQWCIGH LTDNDFVSFF NRAKGYLKPG GFFVVKENLA KNGFVLDKED HSITRSDPYF KQLFRQCGLH LYRTKDQKGL PQELFAVKMY ALTVDTPPKI HRTRSKTRSN RPQIIK
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	31,247 Da
Sequence Positions	1-276, 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 Q5PP70
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for At5g44450 recombinant protein	MBS1470186 is a recombinant protein targeting At5g44450. Also known as Recombinant Arabidopsis thaliana Alpha N-terminal protein methyltransferase 1 (At5g44450). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of At5g44450 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 At5g44450. It may not necessarily be applicable to this product.

NCBI GI #	1063728770
NCBI GeneID	834472
NCBI Accession #	NP_199258.4
UniProt Primary Accession #	Q5PP70

UniProt Secondary Accession #	Q9FI20; F4KA87
UniProt Related Accession #	Q5PP70
GenBank Nucleotide #	NM_123812.5
NCBI Official Full Name	alpha amino-terminal protein methyltransferase
NCBI Official Symbol	AT5G44450
NCBI Official Synonym Symbols	MFC16.11; MFC16_11
UniProt Protein Name	Alpha N-terminal protein methyltransferase 1
UniProt Synonym Protein Names	X-Pro-Lys N-terminal protein methyltransferase 1; NTM1
UniProt Gene Name	At5g44450
UniProt Synonym Gene Names	NTM1
NCBI Protein Information	alpha amino-terminal protein methyltransferase
UniProt Comments for At5g44450	Alpha-N-methyltransferase that methylates the N-terminus of target proteins containing the N-terminal motif [Ala/Pro/Ser]-Pro-Lys when the initiator Met is cleaved. Specifically catalyzes mono-, di- or tri-methylation of exposed alpha-amino group of Ala or Ser residue in the [Ala/Ser]-Pro-Lys motif and mono- or di-methylation of Pro in the Pro-Pro-Lys motif ().
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