Nicotianamine Synthase 1 (NAS1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nicotianamine synthase 1 (NAS1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Nicotianamine synthase 1 (NAS1)
Product Gene Name	NAS1 recombinant protein
Product Synonym Gene Name	NAS1
Sequence	MACQNNLVVK QIIDLYDQIS KLKSLKPSKN VDTLFGQLVS TCLPTDTNID VTNMCEEVKD MRANLIKLCG EAEGYLEQHF STILGSLQED QNPLDHLHIF PYYSNYLKLG KLEFDLLSQH SSHVPTKIAF VGSGPMPLTS IVLAKFHLPN TTFHNFDIDS HANTLASNLV SRDPDLSKRM IFHTTDVLNA TEGLDQYDVV FLAALVGMDK ESKVKAIEHL EKHMAPGAVL MLRSAHALRA FLYPIVDSSD LKGFQLLTIY HPTDDVVNSV VIARKLGGPT TPGVNGTRGC MFMPCNCSKI HAIMNNRGKK NMIEEFSAIE
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	35,547 Da
Sequence Positions	1-320, 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 Q9FF79
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NAS1 recombinant protein	MBS1450785 is a recombinant protein targeting NAS1. Also known as Recombinant Arabidopsis thaliana Nicotianamine synthase 1 (NAS1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NAS1 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 NAS1. It may not necessarily be applicable to this product.

NCBI GI #	15238376
NCBI GeneID	830377
NCBI Accession #	NP_196114.1
UniProt Primary Accession #	Q9FF79
UniProt Secondary Accession #	Q9ZWF8

UniProt Related Accession #	Q9FF79
GenBank Nucleotide #	NM_120577.4
NCBI Official Full Name	nicotianamine synthase 1
NCBI Official Symbol	NAS1
NCBI Official Synonym Symbols	ARABIDOPSIS THALIANA NICOTIANAMINE SYNTHASE 1; ATNAS1; MUG13.19; MUG13_19; nicotianamine synthase 1
UniProt Protein Name	Nicotianamine synthase 1
UniProt Synonym Protein Names	S-adenosyl-L-methionine:S-adenosyl-L-methionine:S-adenosyl-methionine 3-amino-3-carboxypropyltransferase 1; AtNAS1
Protein Family	Nicotianamine synthase
UniProt Gene Name	NAS1
UniProt Synonym Gene Names	AtNAS1
NCBI Protein Information	nicotianamine synthase 1
NCBI Summary for NAS1	Encodes a nicotianamide synthase.
UniProt Comments for NAS1	Synthesizes nicotianamine, a polyamine which serves as a sensor for the physiological iron status within the plant, and/or might be involved in the transport of iron.
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