Nh (3)-Dependent NAD (+) Synthetase (nadE) Bacillus Thuringiensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	NH (3)-dependent NAD (+) synthetase (nadE), Recombinant Protein
Full Product Name	Recombinant Bacillus thuringiensis NH (3)-dependent NAD (+) synthetase
Product Gene Name	nadE recombinant protein
Sequence	MTLQEQIMKA LHVQPVIDPK AEIRKRVDFL KDYVKKTGAK GFVLGISGGQ DSTLAGRLAQ LAVEEIRNEG GNATFIAVRL PYKVQKDEDD AQLALQFIQA DQSVAFDIAS TVDAFSNQYE NLLDESLTDF NKGNVKARIR MVTQYAIGGQ KGLLVIGTDH AAEAVTGFFT KFGDGGADLL PLTGLTKRQG RALLQELGAD ERLYLKMPTA DLLDEKPGQA DETELGITYD QLDDYLEGKT VPADVAEKIE KRYTVSEHKR QVPASMFDDW WK
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	30,101 Da
Sequence Positions	1-272, Full length
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 A0RCZ8
Species	Bacillus thuringiensis (strain Al Hakam)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nadE recombinant protein	MBS1237199 is a recombinant protein targeting nadE. Also known as Recombinant Bacillus thuringiensis NH (3)-dependent NAD (+) synthetase. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nadE 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 nadE. It may not necessarily be applicable to this product.

NCBI GI #	446097024
NCBI Accession #	WP_000174879.1
UniProt Primary Accession #	A0RCZ8
GenBank Nucleotide #	WP_000174879.1
NCBI Official Full Name	MULTISPECIES: NAD(+) synthetase
UniProt Protein Name	NH(3)-dependent NAD(+) synthetase

Protein Family	NH(3)-dependent NAD(+) synthetase
UniProt Gene Name	nadE
UniProt Comments for nadE	Catalyzes the ATP-dependent amidation of deamido-NAD to form NAD. Uses ammonia as a nitrogen source.
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