Nh (3)-Dependent NAD (+) Synthetase (nadE) Streptococcus Pyogenes Serotype M5 Recombinant Protein

PRODUCT OVERVIEW

Product Name	NH (3)-dependent NAD (+) synthetase (nadE), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M5 NH (3)-dependent NAD (+) synthetase
Product Gene Name	nadE recombinant protein
Sequence	MTLQEEIIRQ LGVKASIDPK EEIRKTVDFL KAYLRKHSFL KTYVLGISGG QDSTLAGKLA QMAIAELREE TGDQAYQFIA VRLPYGVQAD EADAQKALAF IAPDQTLTIN IKAAVDGQVE ALQAAGVEIS DFNKGNIKAR QRMISQYAIA GQMAGAVIGT DHAAENITGF FTKFGDGGAD ILPLFRLNKR QGKALLKVLG ADAALYEKVP TADLEDQKPG LADEVALGVT YQDIDDYLEG KLISKVAQAT IEKWWHKGQH KRHLPITIFD DFWK
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	30,104 Da
Sequence Positions	1-274, 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 A2RD51
Species	Streptococcus pyogenes serotype M5 (strain Manfredo)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nadE recombinant protein	MBS1237641 is a recombinant protein targeting nadE. Also known as Recombinant Streptococcus pyogenes serotype M5 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 #	500218521
NCBI Accession #	WP_011888661.1
UniProt Primary Accession #	A2RD51
GenBank Nucleotide #	WP_011888661.1
NCBI Official Full Name	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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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