Nicotinate-Nucleotide Pyrophosphorylase [Carboxylating] (nadC) Pseudomonas Aeruginosa Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nicotinate-nucleotide pyrophosphorylase [carboxylating] (nadC), Recombinant Protein
Full Product Name	Recombinant Pseudomonas aeruginosa Nicotinate-nucleotide pyrophosphorylase [carboxylating] (nadC)
Product Gene Name	nadC recombinant protein
Sequence	MPNLTLADLQ GEIQANVRTA LAEDVGGGDL TAQLIDPQRE AEARVITREH ATIAGRAWVD EVFRQVDPRV LVTWQVEDGQ RVEPNQMLFQ LKGPARALLT GERSALNFLQ LLSGTATRSQ HYADLVAGTA VKLLDTRKTL PGLRLAQKYA VTCGGCHNHR IGLYDAFLIK ENHIAACGGI DRAIAEARRI APGKPVEVEV ENLDELRQAL EAGADIVMLD ELSLDDMRTA VALTAGRAKL EASGGINEGT LRNIAETGVD YISIGTLTKD VRAVDLSMRL TL
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	30,552 Da
Sequence Positions	1-282, 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 P30819
Species	Pseudomonas aeruginosa (strain 15692 / PAO1 / 1C / PRS 101 / LMG 12228)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nadC recombinant protein	MBS1251191 is a recombinant protein targeting nadC. Also known as Recombinant Pseudomonas aeruginosa Nicotinate-nucleotide pyrophosphorylase [carboxylating] (nadC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nadC 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 nadC. It may not necessarily be applicable to this product.

NCBI GI #	15599720
NCBI GeneID	878422
NCBI Accession #	NP_253214.1
UniProt Primary Accession #	P30819
UniProt Related Accession #	P30819

GenBank Nucleotide #	NC_002516.2
NCBI Official Full Name	nicotinate-nucleotide pyrophosphorylase
NCBI Official Symbol	nadC
UniProt Protein Name	Nicotinate-nucleotide pyrophosphorylase [carboxylating]
UniProt Synonym Protein Names	Quinolinate phosphoribosyltransferase [decarboxylating]; QAPRTase
Protein Family	Probable nicotinate-nucleotide pyrophosphorylase
UniProt Gene Name	nadC
UniProt Synonym Gene Names	QAPRTase
NCBI Protein Information	nicotinate-nucleotide pyrophosphorylase
UniProt Comments for nadC	Involved in the catabolism of quinolinic acid (QA).
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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