Quinolinate Synthase A (nadA) Bacillus Cereus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Quinolinate synthase A (nadA), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus Quinolinate synthase A (nadA)
Product Gene Name	nadA recombinant protein
Product Synonym Gene Name	nadA
Sequence	MSILEKVQPI ETMLPERYYT MSTEDMEKRV REIKEKMGET LFIPGHHYQK DEVVQFSDAA GDSLQLAQVA ASNKDAKYIV FCGVHFMAET ADMLTTDDQI VILPDMRAGC SMADMADIEQ TERAWKELTK LFGDTMIPLT YVNSTAAIKA FCGRNGGATV TSSNAKQMVS WAFTQKERLV FLPDQHLGRN TAYDLGIPLD KMAVWDPHTD SLEYDGDIEE IQVILWKGHC SVHQNFTVKN IENVRKNHPD MNIIVHPECC YEVVAASDYA GSTKYIIDMI ESAPSGSKWA IGTEMNLVNR IIQQHPDKEI VSLNPFMCPC LTMNRIDLPH LLWALETIER GEEINVISVD KQVTEEAVLA LNRMLERV
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	41,611 Da
Sequence Positions	1-368, 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 Q634B5
Species	Bacillus cereus (strain ZK / E33L)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nadA recombinant protein	MBS1478549 is a recombinant protein targeting nadA. Also known as Recombinant Bacillus cereus Quinolinate synthase A (nadA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nadA 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 nadA. It may not necessarily be applicable to this product.

NCBI GI #	445947434
NCBI Accession #	WP_000025289.1
UniProt Primary Accession #	Q634B5
GenBank Nucleotide #	WP_000025289.1

NCBI Official Full Name	quinolinate synthase
UniProt Protein Name	Quinolinate synthase A
Protein Family	Quinolinate synthase
UniProt Gene Name	nadA
UniProt Comments for nadA	Catalyzes the condensation of iminoaspartate with dihydroxyacetone phosphate to form quinolinate.
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