NADPH Dehydrogenase (namA) Bacillus Licheniformis Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADPH dehydrogenase (namA), Recombinant Protein
Full Product Name	Recombinant Bacillus licheniformis NADPH dehydrogenase (namA)
Product Gene Name	namA recombinant protein
Product Synonym Gene Name	namA
Sequence	MSNRKLFTPW SLKGVTLKNR IVMSPMCMYS SHEKDGKVQP FHMTHYISRA VGQVGLIMVE ATAVTPQGRI SDQDLGIWDD AHIDGLAALT SQIKTYGSKT AIQLAHAGRK AEVEGTIYGP SAIPFDENSR TPVEMTKEDI KETVQAFKKG AERAKAAGFD IIEIHGAHGY LINEFLSPLS NKREDEYGGS PENRYRLLRE VIDAVKEVWA GPLFVRVSAS DYKTKGLDVA DYVGFAKWMK EQGVDLIDVS SGAVVPADIN VFPGYQVGFA DTIRAQAEIQ TGAVGLITSG LQAEEILQNG RADLIFVARE LLRDPYWPKT AAKQLNTKIE GPVQYDRAW
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	37,405 Da
Sequence Positions	1-339, 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 Q65HN9
Species	Bacillus licheniformis (strain DSM 13 / 14580)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for namA recombinant protein	MBS1385637 is a recombinant protein targeting namA. Also known as Recombinant Bacillus licheniformis NADPH dehydrogenase (namA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of namA 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 namA. It may not necessarily be applicable to this product.

NCBI GI #	68052520
NCBI Accession #	Q65HN9.1
UniProt Primary Accession #	Q65HN9
UniProt Secondary Accession #	Q62T42
NCBI Official Full Name	NADPH dehydrogenase

UniProt Protein Name	NADPH dehydrogenase
Protein Family	NADPH dehydrogenase
UniProt Gene Name	namA
UniProt Comments for namA	Catalyzes the reduction of the double bond of an array of alpha,beta-unsaturated aldehydes and ketones. It also reduces the nitro group of nitroester and nitroaromatic compounds. It could have a role in detoxification processes.
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