Periplasmic Nitrate Reductase, Electron Transfer Subunit (napB) Paracoccus Pantotrophus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Periplasmic nitrate reductase, electron transfer subunit (napB), Recombinant Protein
Full Product Name	Recombinant Paracoccus pantotrophus Periplasmic nitrate reductase, electron transfer subunit (napB)
Product Gene Name	napB recombinant protein
Product Synonym Gene Name	napB
Sequence	QAEPAVQIVP ALDRLGRADV RGQIPPLGRP ITDDVRRMRN YPEQPPVIPH SIDGYQLTVN TNRCMDCHKP QFTEGSGAPM ISVTHFQDRD GQVLTDVTPR RYFCTACHVQ QTDVQPLVPN QFRDGYRHAG GP
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	17,789 Da
Sequence Positions	30-161, 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 Q56351
Species	Paracoccus pantotrophus (Thiosphaera pantotropha)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for napB recombinant protein	MBS1314546 is a recombinant protein targeting napB. Also known as Recombinant Paracoccus pantotrophus Periplasmic nitrate reductase, electron transfer subunit (napB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of napB 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 napB. It may not necessarily be applicable to this product.

NCBI GI #	2493989
NCBI Accession #	Q56351.1
UniProt Primary Accession #	Q56351
NCBI Official Full Name	Periplasmic nitrate reductase, electron transfer subunit
UniProt Protein Name	Periplasmic nitrate reductase, electron transfer subunit

UniProt Synonym Protein Names	Cytochrome c552; Diheme cytochrome c NapB
Protein Family	Beta-soluble NSF attachment protein
UniProt Gene Name	napB
UniProt Comments for napB	Electron transfer subunit of the periplasmic nitrate reductase complex NapAB. Receives electrons from the membrane-anchored tetraheme c-type NapC protein and transfers these to NapA subunit, thus allowing electron flow between membrane and periplasm. Essential for periplasmic nitrate reduction with nitrate as the terminal electron acceptor.
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