Periplasmic Nitrate Reductase (napA) Salmonella Schwarzengrund Recombinant Protein

PRODUCT OVERVIEW

Product Name	Periplasmic nitrate reductase (napA), Recombinant Protein
Full Product Name	Recombinant Salmonella schwarzengrund Periplasmic nitrate reductase (napA), partial
Product Gene Name	napA recombinant protein
Sequence	SAVVGFMRTF GMDEPMGCYD DIEQADAFVL WGSNMAEMHP ILWSRITNRR LSDPNVKVAV LSTFQHRSFE LADNGIVFTP QSDLVILNYI ANYIIQNNAV NQDFFTKHVN LRKGATDIGY GLRPTHPLEK AAKNPGSDAS EPMSFDEYKA FVAEYTLDKT AEMTGVPKDQ LEQLAQLYAD PNKRVISYWT MGFNQHTRGV WANNLVYNLH LLTGKISQPG CGPFSLTG
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	92,888 Da
Sequence Positions	182-409aa; Partial
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 B4TPE6
Species	Salmonella schwarzengrund (strain CVM19633)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for napA recombinant protein	MBS1207095 is a recombinant protein targeting napA. Also known as Recombinant Salmonella schwarzengrund Periplasmic nitrate reductase (napA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of napA 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 napA. It may not necessarily be applicable to this product.

NCBI GI #	446700753
NCBI Accession #	WP_000778099.1
UniProt Primary Accession #	B4TPE6
GenBank Nucleotide #	WP_000778099.1
NCBI Official Full Name	periplasmic nitrate reductase subunit alpha
UniProt Protein Name	Periplasmic nitrate reductase

Protein Family	Na(+)/H(+) antiporter
UniProt Gene Name	napA
UniProt Comments for napA	Catalytic subunit of the periplasmic nitrate reductase complex NapAB. Receives electrons from NapB and catalyzes the reduction of nitrate to nitrite.
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