NADPH-Dependent Oxidoreductase (nfrA) Recombinant Protein

PRODUCT OVERVIEW

Product Name	NADPH-dependent oxidoreductase (nfrA), Recombinant Protein
Full Product Name	Recombinant Staphylococcus saprophyticus subsp. saprophyticus NADPH-dependent oxidoreductase (nfrA)
Product Gene Name	nfrA recombinant protein
Product Synonym Gene Name	nfrA
Sequence	MSEHVYNLLK NHHSVRKFKK EPISEAHIKQ LVEAGQNAST SSYLQAYSII GINDPEIKEE LKEVSGQPYV VENGYLFVFV MDYYRHSIIN EESKHDMQTS FESAEGLLVG TIDATLVAQN IAATAEDMGY GMVYLGSLRN DVERVREILE LPKHTFPLFG MALGIPEDDE NGSPKPRLPF EHVFHANKYD SDKDSQRETL KAYDQTVSDY YSSRTNGERT ESWSNQVANF MSAKQRLDML EQLNKSGFIK K
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	28,612 Da
Sequence Positions	1-251, 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 Q49UU0
Species	Staphylococcus saprophyticus subsp. saprophyticus (strain 15305 / DSM 20229)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nfrA recombinant protein	MBS1340988 is a recombinant protein targeting nfrA. Also known as Recombinant Staphylococcus saprophyticus subsp. saprophyticus NADPH-dependent oxidoreductase (nfrA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nfrA 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 nfrA. It may not necessarily be applicable to this product.

NCBI GI #	499623195
NCBI Accession #	WP_011303929.1
UniProt Primary Accession #	Q49UU0
GenBank Nucleotide #	WP_011303929.1
NCBI Official Full Name	NADPH-dependent oxidoreductase

UniProt Protein Name	NADPH-dependent oxidoreductase
Protein Family	Bacteriophage adsorption protein
UniProt Gene Name	nfrA
UniProt Comments for nfrA	Reduces FMN, organic nitro compounds and disulfide DTNB. Involved in maintenance of the cellular redox state and the disulfide stress response ().
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