Cytochrome C-552 (nrfA) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Cytochrome c-552 (nrfA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O6:K15:H31 Cytochrome c-552 (nrfA)
Product Gene Name	nrfA recombinant protein
Product Synonym Gene Name	nrfA
Sequence	EQTAAPATPV TVEAKNETFA PQHPDQYLSW KATSEQSERV DALAEDPRLV ILWAGYPFSR DYNKPRGHAF AVTDVRETLR TGAPKNAEDG PLPMACWSCK SPDVARLIQK DGEDGYFHGK WARGGPEIVN NLGCADCHNT ASPEFAKGKP ELTLSRPYAA RAMEAIGKPF EKAGRFDQQS MVCGQCHVEY YFDGKNKAVK FPWDDGMKVE NMEQYYDKIA FSDWTNSLSK TPMLKAQHPE YETWTAGIHG KNNVTCIDCH MPKVQNAEGK LYTDHKIGNP FDNFAQTCAN CHTQDKAALQ KVVAERKQSI NDLKIKVEDQ LVHAHFEAKA ALDAGATEAE MKPIQDDIRH AQWRWDLAIA SHGIHMHAPE EGLRMLGTAM DKAADARTKL ARLLATKGIT HEIQIPDIST KEKAQQAIGL NMEQIKAEKQ DFIKTVIPQW EEQARKNGLL SQ
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	53,676 Da
Sequence Positions	27-478, 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 Q0T9X8
Species	Escherichia coli O6:K15:H31 (strain 536 / UPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nrfA recombinant protein	MBS1342896 is a recombinant protein targeting nrfA. Also known as Recombinant Escherichia coli O6:K15:H31 Cytochrome c-552 (nrfA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nrfA 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 nrfA. It may not necessarily be applicable to this product.

NCBI GI #	446119024
NCBI Accession #	WP_000196879.1
UniProt Primary Accession #	Q0T9X8
GenBank Nucleotide #	WP_000196879.1

NCBI Official Full Name	MULTISPECIES: ammonia-forming cytochrome c nitrite reductase subunit c552
UniProt Protein Name	Cytochrome c-552
UniProt Synonym Protein Names	Ammonia-forming cytochrome c nitrite reductase
Protein Family	Nitrogen regulatory protein
UniProt Gene Name	nrfA
UniProt Synonym Gene Names	Cytochrome c nitrite reductase
UniProt Comments for nrfA	Catalyzes the reduction of nitrite to ammonia, consuming six electrons in the process.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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