FMN-Dependent NADH-Azoreductase (azoR) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	FMN-dependent NADH-azoreductase (azoR), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus FMN-dependent NADH-azoreductase (azoR)
Product Gene Name	azoR recombinant protein
Product Synonym Gene Name	azoR
Sequence	MAKVLYITAH PFNELVSNSM AAGKAFIETY QQQHPDDEVK HIDLFETYIP VIDKDVLTGW GKMSNGETLT DDEQMKVSRL SDILEEFLSA DKYVFVTPMW NLSFPPVVKA YIDAISIAGK TFKYSAEGPQ GLLTDKKVLH IQSRGGYYTE GPAADFEMGD RYLRTIMTFL GVPSYETIII EGHNAEPHKT EEIKATSINN AEKLATTF
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	23,353 Da
Sequence Positions	1-208, 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 Q99X11
Species	Staphylococcus aureus (strain N315)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for azoR recombinant protein	MBS1346002 is a recombinant protein targeting azoR. Also known as Recombinant Staphylococcus aureus FMN-dependent NADH-azoreductase (azoR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of azoR 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 azoR. It may not necessarily be applicable to this product.

NCBI GI #	447074195
NCBI Accession #	WP_001151451.1
UniProt Primary Accession #	Q99X11
GenBank Nucleotide #	WP_001151451.1
NCBI Official Full Name	MULTISPECIES: FMN-dependent NADH-azoreductase
UniProt Protein Name	FMN-dependent NADH-azoreductase

UniProt Synonym Protein Names	Azo-dye reductase
Protein Family	FMN-dependent NADH-azoreductase
UniProt Gene Name	azoR
UniProt Comments for azoR	Catalyzes the reductive cleavage of azo bond in aromatic azo compounds to the corresponding amines. Requires NADH, but not NADPH, as an electron donor for its activity.
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