FMN-Dependent NADH-Azoreductase (azoR) Desulfotalea Psychrophila Recombinant Protein

PRODUCT OVERVIEW

Product Name	FMN-dependent NADH-azoreductase (azoR), Recombinant Protein
Full Product Name	Recombinant Desulfotalea psychrophila FMN-dependent NADH-azoreductase (azoR)
Product Gene Name	azoR recombinant protein
Product Synonym Gene Name	azoR
Sequence	MSKLLYIEAS PRKNKSFSTR VAQSFINTFL DADPANRIET LDLWDFPLPE VDGSYLSAKY KILHWQDPTE AEARAWTEIA NIVSQFKDAD SYLFSIPMWN FSIPYKLKHF IDIITQPGLT FMFSPESGYQ GLVTGKACTV IYARGAQYRG TKGSTLDFQK TYMELLLSFI GFENIHSIRV EPTLTDSASR ERVLATAKLE AISLAKELYS LI
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	24,075 Da
Sequence Positions	1-212, 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 Q6ALS1
Species	Desulfotalea psychrophila (strain LSv54 / DSM 12343)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for azoR recombinant protein	MBS1354889 is a recombinant protein targeting azoR. Also known as Recombinant Desulfotalea psychrophila 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 #	499502576
NCBI Accession #	WP_011189216.1
UniProt Primary Accession #	Q6ALS1
GenBank Nucleotide #	WP_011189216.1
NCBI Official Full Name	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.
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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