FMN-Dependent NADH-Azoreductase 7 (azoR7) Burkholderia Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	FMN-dependent NADH-azoreductase 7 (azoR7), Recombinant Protein
Full Product Name	Recombinant Burkholderia sp. FMN-dependent NADH-azoreductase 7 (azoR7)
Product Gene Name	azoR7 recombinant protein
Product Synonym Gene Name	azoR7
Sequence	MKLLHIDSSI LGQGSVSREL SAEVVATFRA RDPGLTVTRL DLAATPIGHL SAEHLAAAQG APISDALKAD VEIGQRALAE FLAADIVVIG APMYNFGIAS QLKAWIDRIS VAGTTFRYGE NGPVGLCGGK KLVVASSRGG VYSEGSPAAA FDHQETYLKA AFGFLGITDI TFIRAEGVAM GPDLRSGAIA SAKEAAAALA A
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	20,654 Da
Sequence Positions	1-201, 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 Q39M92
Species	Burkholderia sp. (strain 383) (Burkholderia cepacia (strain 17760 / NCIB 9086 / R18194))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for azoR7 recombinant protein	MBS1384874 is a recombinant protein targeting azoR7. Also known as Recombinant Burkholderia sp. FMN-dependent NADH-azoreductase 7 (azoR7). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of azoR7 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 azoR7. It may not necessarily be applicable to this product.

NCBI GI #	499669333
NCBI Accession #	WP_011350067.1
UniProt Primary Accession #	Q39M92
GenBank Nucleotide #	WP_011350067.1
NCBI Official Full Name	FMN-dependent NADH-azoreductase 7
UniProt Protein Name	FMN-dependent NADH-azoreductase 7

UniProt Synonym Protein Names	Azo-dye reductase 7
Protein Family	FMN-dependent NADH-azoreductase
UniProt Gene Name	azoR7
UniProt Comments for azoR7	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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