FMN-Dependent NADH-Azoreductase 1 (azoR1) Clostridium Perfringens Recombinant Protein

PRODUCT OVERVIEW

Product Name	FMN-dependent NADH-azoreductase 1 (azoR1), Recombinant Protein
Full Product Name	Recombinant Clostridium perfringens FMN-dependent NADH-azoreductase 1 (azoR1)
Product Gene Name	azoR1 recombinant protein
Product Synonym Gene Name	azoR1
Sequence	MKKLLYITVN SKPEKLSSSK TIGRAFISRF VELNPEFEIE EVDLYKDFIP RLEHKHFSGR SSVVDCETAS IDAKTKEEVK RIIELSEQFK NADLYVIAAP LWTLSFPAPL KEYIDCVVQN KITIKVTPEE VKGLLDDKQR EMVYIQSSGG EIPWLTKGIF NKGLNYVEDV MKFLGIKKFH QLLVDGTGFS IEEKFKAEDK AVEKIDNVIK DIHFSNKG
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	24,965 Da
Sequence Positions	1-218, 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 Q8XMY2
Species	Clostridium perfringens
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for azoR1 recombinant protein	MBS1350308 is a recombinant protein targeting azoR1. Also known as Recombinant Clostridium perfringens FMN-dependent NADH-azoreductase 1 (azoR1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of azoR1 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 azoR1. It may not necessarily be applicable to this product.

NCBI GI #	499319397
NCBI Accession #	WP_011009889.1
UniProt Primary Accession #	Q8XMY2
GenBank Nucleotide #	WP_011009889.1

NCBI Official Full Name	FMN-dependent NADH-azoreductase 1
UniProt Protein Name	FMN-dependent NADH-azoreductase 1
UniProt Synonym Protein Names	Azo-dye reductase 1
Protein Family	FMN-dependent NADH-azoreductase
UniProt Gene Name	azoR1
UniProt Comments for azoR1	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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