D-Amino Acid Dehydrogenase Small Subunit (dadA) Rhodopseudomonas Palustris Recombinant Protein

PRODUCT OVERVIEW

Product Name	D-amino acid dehydrogenase small subunit (dadA), Recombinant Protein
Full Product Name	Recombinant Rhodopseudomonas palustris D-amino acid dehydrogenase small subunit (dadA)
Product Gene Name	dadA recombinant protein
Product Synonym Gene Name	dadA
Sequence	MKVLVMGAGV IGVTTAYYLA KAGFEVTVID RQPGPGLETS FANAGEVSPG YSSPWAGPGV PRKAIQWILD RHGPLVVRPQ IDPAMWRWVV QMLRNCTASR YALNKSRMVG IAEYSRDCLR ALRADIGITY DERSQGTLQL FRKQSQLDAI GGDVEILRQY NVPFEVLDRA GCIRAEPGLA AVQNSFVGGL RLVDDETGDC HLFTQRLEAA AAALGVNFVY ETTIRSIDAQ GGAVAGVTTD KGRFVADRYV MALGSFSPLL LRPLGIDIPV YPVKGYSITV PIVDEPASPR STVMDESYKV AITRLGDRIR VGGTAEIGDY QPRLRPNRRV TLDRSLTDLF PGAGDLSQAT FWSGLRPMTP DGPPIIGPTR LANLHLNTGH GTLGWTMACG AARVAVDQLR SVEPEIDARA LSLSRYQSGA ASLGA
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	45,886 Da
Sequence Positions	1-425, 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 Q2IZZ7
Species	Rhodopseudomonas palustris (strain HaA2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dadA recombinant protein	MBS1354878 is a recombinant protein targeting dadA. Also known as Recombinant Rhodopseudomonas palustris D-amino acid dehydrogenase small subunit (dadA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dadA 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 dadA. It may not necessarily be applicable to this product.

NCBI GI #	499759667
NCBI Accession #	WP_011440401.1
UniProt Primary Accession #	Q2IZZ7

GenBank Nucleotide #	WP_011440401.1
NCBI Official Full Name	D-amino acid dehydrogenase small subunit
UniProt Protein Name	D-amino acid dehydrogenase
Protein Family	D-amino acid dehydrogenase
UniProt Gene Name	dadA
UniProt Comments for dadA	Oxidative deamination of D-amino acids.
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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