Malate Dehydrogenase 2 (mdh2) Rhodopseudomonas Palustris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Malate dehydrogenase 2 (mdh2), Recombinant Protein
Full Product Name	Recombinant Rhodopseudomonas palustris Malate dehydrogenase 2 (mdh2)
Product Gene Name	mdh2 recombinant protein
Product Synonym Gene Name	mdh2
Sequence	MSRKKIVLAG AGQIGGTLAH LAMLHRLGDV TLLDVNANPP KGKALDLSHA AAVEGCDAVL TGTADQADIA GADVVIVTAG VPRRPGVDRD ALLAINLPVM ESIGTAIGRY CPDAFVICIT NPLDAMVWAL RRFSGLPPAR VVGMGGVLDS ARLRSFLAEA LGVSVTEVQA MTLGGHGDDM VPLVRQATVG GVPLPALVKM GWITQQAIDD IVQRTRTGGA EVVNLLWTSS AYYAPASAAI AMATSYLGDQ KRVFAASAAL SGQYGVDGLH VGVPVMIGAG GIEKIIELEF DDEEQRQFTR SVAAVAALVE DCKRLHRGLA
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	33,295 Da
Sequence Positions	1-320, 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 Q20XN0
Species	Rhodopseudomonas palustris (strain BisB18)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for mdh2 recombinant protein	MBS1437598 is a recombinant protein targeting mdh2. Also known as Recombinant Rhodopseudomonas palustris Malate dehydrogenase 2 (mdh2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of mdh2 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 mdh2. It may not necessarily be applicable to this product.

NCBI GI #	499794250
NCBI Accession #	WP_011474984.1
UniProt Primary Accession #	Q20XN0
GenBank Nucleotide #	WP_011474984.1
NCBI Official Full Name	malate dehydrogenase

UniProt Protein Name	Malate dehydrogenase 2
Protein Family	Malate dehydrogenase
UniProt Gene Name	mdh2
UniProt Comments for mdh2	Catalyzes the reversible oxidation of malate to oxaloacetate.
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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