Isocitrate Dehydrogenase [NAD] Subunit 2, Mitochondrial (idh2) Schizosaccharomyces Pombe Recombinant Protein

PRODUCT OVERVIEW

Product Name	Isocitrate dehydrogenase [NAD] subunit 2, mitochondrial (idh2), Recombinant Protein
Full Product Name	Recombinant Schizosaccharomyces pombe Isocitrate dehydrogenase [NAD] subunit 2, mitochondrial (idh2)
Product Gene Name	idh2 recombinant protein
Product Synonym Gene Name	idh2; SPBC902.05c
Product Synonym Names	Isocitrate dehydrogenase [NAD] subunit 2, mitochondrial; EC=1.1.1.41; Isocitric dehydrogenase; NAD(+)-specific ICDH
Sequence	SST KAAAGTYEGV KNANGNYTVT MIAGDGIGPE IAQSVERIFK AAKVPIEWER VKVYPILKNG TTTIPDDAKE SVRKNKVALK GPLATPIGKG HVSMNLTLRR TFGLFANVRP CVSITGYKTP YDNVNTVLIR ENTEGEYSGI EHEVIPGVVQ SIKLITRAAS ERVIRYAFQY ARQTGKNNIT VVHKATIMRM ADGLFLECAK ELAPEYPDIE LREEILDNAC LKIVTDPVPY NNTVMVMPNL YGDIVSDMCA GLIGGLGLTP SGNIGNQASI FEAVHGTAPD IAGKGLANPT ALLLSSVMML KHMNLNDYAK RIESAIFDTL ANNPDARTKD LGGKSNNVQY TDAIISKLK
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	41,188 Da
Sequence Positions	28-379aa; Cytoplasmic domain
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 Q9USP8
Species	Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for idh2 recombinant protein	MBS1468785 is a recombinant protein targeting idh2. Also known as Recombinant Schizosaccharomyces pombe Isocitrate dehydrogenase [NAD] subunit 2, mitochondrial (idh2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of idh2 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 idh2. It may not necessarily be applicable to this product.

NCBI GI #	429239634
NCBI GeneID	2541260

NCBI Accession #	NP_595203.2
UniProt Primary Accession #	Q9USP8
UniProt Related Accession #	Q9USP8
GenBank Nucleotide #	NM_001021109.2
NCBI Official Full Name	isocitrate dehydrogenase (NAD+) subunit 2
NCBI Official Symbol	idh2
NCBI Official Synonym Symbols	glu2
UniProt Protein Name	Isocitrate dehydrogenase [NAD] subunit 2, mitochondrial
UniProt Synonym Protein Names	Isocitric dehydrogenase; NAD(+)-specific ICDH
Protein Family	Isocitrate dehydrogenase
UniProt Gene Name	idh2
UniProt Synonym Gene Names	glu2
UniProt Entry Name	IDH2_SCHPO
NCBI Protein Information	isocitrate dehydrogenase (NAD+) subunit 2
UniProt Comments for idh2	Performs an essential role in the oxidative function of the citric acid cycle and is involved in glutamate biosynthesis. Also binds RNA; specifically to the 5'-untranslated leaders of mitochondrial mRNAs.
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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