L-Lactate Dehydrogenase 2 (ldh2) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-lactate dehydrogenase 2 (ldh2), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus L-lactate dehydrogenase 2 (ldh2)
Product Gene Name	ldh2 recombinant protein
Sequence	MKTFGKKVVL IGDGSVGSSY AFAMVTQGVA DEFVIIDIAK DKVKADVQDL NHGTVHSPSP VDVKAGEYED CKDADLVVIT AGAPQKPGET RLQLVEKNTK IMKSIVKSVM DSGFDGYFLI AANPVDILTR FVKEYTGLPA ERVIGSGTVL DSARLQYLIS QELGVAPSSV DASIIGEHGD TELAVWSQAN VAGISVYDTL KEQTGSEAKA EEIYVNTRDA AYEIIQAKGS TYYGIALALM RISKAILNNE NNVLNVSIQL DGQYGGHKGV YLGVPTLVNQ HGAVKIYEMP LSAEEQALFD KSVKTLEDTF DSIKYLLED
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	34,420 Da
Sequence Positions	1-319, 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 A6QK89
Species	Staphylococcus aureus (strain Newman)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ldh2 recombinant protein	MBS1251395 is a recombinant protein targeting ldh2. Also known as Recombinant Staphylococcus aureus L-lactate dehydrogenase 2 (ldh2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ldh2 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 ldh2. It may not necessarily be applicable to this product.

NCBI GI #	446769381
NCBI Accession #	WP_000846637.1
UniProt Primary Accession #	A6QK89
GenBank Nucleotide #	WP_000846637.1
NCBI Official Full Name	MULTISPECIES: L-lactate dehydrogenase
UniProt Protein Name	L-lactate dehydrogenase 2

UniProt Gene Name	ldh2
UniProt Synonym Gene Names	L-LDH 2
UniProt Comments for ldh2	Contributes to S.aureus growth during nitrosative stress in both aerobically and anaerobically cultured cells, despite playing a secondary role in this resistance mechanism.
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