Alanine Dehydrogenase 2 (ald2) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alanine dehydrogenase 2 (ald2), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Alanine dehydrogenase 2 (ald2)
Product Gene Name	ald2 recombinant protein
Product Synonym Gene Name	ald2
Sequence	MKIGIPREIK NNENRVGLSP SGVHALVESG HTVLVETNAG SGSFFEDVDY KEAGAEIVAE QAKVWDVDMV IKVKEPLESE YPYFKEGLVL FTYLHLANEE KLTQALIDRK VISIAYETVQ LPDRSLPLLS PMSEVAGRMS AQVGAEFLQK LNGGMGILLG GVPGVPKGKV TIIGGGQAGT NAAKIALGLG ADVTILDVNP KRLQQLDDLF GGRVHTIMSN PLNIELYVKQ SDLVIGAVLI PGAKAPRLVT EDMIKQMKNG SVIIDIAIDQ GGIFETTDKI TTHDDPTYIK HGVVHYAVAN MPGAVPRTST LALNNATLPY ALMLANKGYR EAFKSNQPLS LGLNTYKGHV TNKGVAEAFE MEYKSVEEAL HL
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	40,114 Da
Sequence Positions	1-372, 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 Q6GFZ8
Species	Staphylococcus aureus (strain MRSA252)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ald2 recombinant protein	MBS1329974 is a recombinant protein targeting ald2. Also known as Recombinant Staphylococcus aureus Alanine dehydrogenase 2 (ald2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ald2 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 ald2. It may not necessarily be applicable to this product.

NCBI GI #	446612651
NCBI Accession #	WP_000689997.1
UniProt Primary Accession #	Q6GFZ8
GenBank Nucleotide #	WP_000689997.1

NCBI Official Full Name	MULTISPECIES: alanine dehydrogenase
UniProt Protein Name	Alanine dehydrogenase 2
Protein Family	Alanine dehydrogenase
UniProt Gene Name	ald2
UniProt Comments for ald2	May play a role in cell wall synthesis as L-alanine is an important constituent of the peptidoglycan layer.
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