Opine Dehydrogenase (odh) Arthrobacter Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Opine dehydrogenase (odh), Recombinant Protein
Full Product Name	Recombinant Arthrobacter sp. Opine dehydrogenase (odh)
Product Gene Name	odh recombinant protein
Product Synonym Gene Name	odh
Sequence	MIESKTYAVL GLGNGGHAFA AYLALKGQSV LAWDIDAQRI KEIQDRGAII AEGPGLAGTA HPDLLTSDIG LAVKDADVIL IVVPAIHHAS IAANIASYIS EGQLIILNPG ATGGALEFRK ILRENGAPEV TIGETSSMLF TCRSERPGQV TVNAIKGAMD FACLPAAKAG WALEQIGSVL PQYVAVENVL HTSLTNVNAV MHPLPTLLNA ARCESGTPFQ YYLEGITPSV GSLAEKVDAE RIAIAKAFDL NVPSVCEWYK ESYGQSPATI YEAVQGNPAY RGIAGPINLN TRYFFEDVST GLVPLSELGR AVNVPTPLID AVLDLISSLI DTDFRKEGRT LEKLGLSGLT AAGIRSAVE
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	37,937 Da
Sequence Positions	1-359, 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 Q44297
Species	Arthrobacter sp. (strain 1C)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for odh recombinant protein	MBS1371344 is a recombinant protein targeting odh. Also known as Recombinant Arthrobacter sp. Opine dehydrogenase (odh). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of odh 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 odh. It may not necessarily be applicable to this product.

NCBI GI #	3287880
NCBI Accession #	Q44297.1
UniProt Primary Accession #	Q44297
NCBI Official Full Name	Opine dehydrogenase

UniProt Protein Name	Opine dehydrogenase
UniProt Synonym Protein Names	N-(1-D-carboxyethyl)-L-norvaline dehydrogenase
Protein Family	Octopine dehydrogenase
UniProt Gene Name	odh
UniProt Comments for odh	In the forward direction acts also on secondary amine dicarboxylates such as N-(1-carboxyethyl)methionine and N-(1-carboxyethyl)phenylalanine. In the reverse direction, the enzyme also acts on neutral amino acids as an amino donor. They include L-amino acids such as 2-aminopentanoic acid, 2-aminobutyric acid, 2-aminohexanoic acid, 3-chloroalanine, O-acetylserine, methionine, isoleucine, valine, phenylalanine, leucine and alanine.
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