Aldehyde Dehydrogenase Family 16 Member A1 (ALDH16A1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Aldehyde dehydrogenase family 16 member A1 (ALDH16A1), Recombinant Protein
Full Product Name	Recombinant Human Aldehyde dehydrogenase family 16 member A1 (ALDH16A1) , partial
Product Gene Name	ALDH16A1 recombinant protein
Product Synonym Gene Name	ALDH16A1
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	79,918 Da
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.
OMIM	613358
3D Structure	ModBase 3D Structure for Q8IZ83
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ALDH16A1 recombinant protein	This gene encodes a member of the aldehyde dehydrogenases superfamily. The family members act on aldehyde substrates and use nicotinamide adenine dinucleotide phosphate (NADP) as a cofactor. This gene is conserved in chimpanzee, dog, cow, mouse, rat, and zebrafish. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Other Notes	Small volumes of ALDH16A1 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.
Searchable Terms for ALDH16A1 purchase	MBS1349797 is a recombinant protein targeting ALDH16A1. Also known as Recombinant Human Aldehyde dehydrogenase family 16 member A1 (ALDH16A1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ALDH16A1. It may not necessarily be applicable to this product.

NCBI GI #	223972653
NCBI GeneID	126133
NCBI Accession #	NP_001138868.1
UniProt Primary Accession #	Q8IZ83

UniProt Secondary Accession #	Q86YF0; Q8IYL4; Q8TEI8; B4DLQ1; C9JBH6
UniProt Related Accession #	Q8IZ83
GenBank Nucleotide #	NM_001145396.1
NCBI Official Full Name	aldehyde dehydrogenase family 16 member A1 isoform 2
NCBI Official Synonym Full Names	aldehyde dehydrogenase 16 family member A1
NCBI Official Symbol	ALDH16A1
UniProt Protein Name	Aldehyde dehydrogenase family 16 member A1
Protein Family	Aldehyde dehydrogenase family
UniProt Gene Name	ALDH16A1
NCBI Protein Information	aldehyde dehydrogenase family 16 member A1
NCBI Summary for ALDH16A1	This gene encodes a member of the aldehyde dehydrogenase superfamily. The family members act on aldehyde substrates and use nicotinamide adenine dinucleotide phosphate (NADP) as a cofactor. This gene is conserved in chimpanzee, dog, cow, mouse, rat, and zebrafish. The protein encoded by this gene interacts with maspardin, a protein that when truncated is responsible for Mast syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]
Research Articles on ALDH16A1	**1.** Both the short and long forms of human ALDH16A1 protein would lack catalytic activity.
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