Acetaldehyde Dehydrogenase (Msil_1478) (Msil_1478) Methylocella Silvestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetaldehyde dehydrogenase (Msil_1478), Recombinant Protein
Full Product Name	Recombinant Methylocella silvestris Acetaldehyde dehydrogenase (Msil_1478)
Product Gene Name	Msil_1478 recombinant protein
Sequence	MEKIPCAIIG SGNIGTDLMI KIMRMSKHLE MGAMVGIDPK SDGLARAARL GVPVTHEGID GLRKLPNYGD IQIVFDATSA GAHVHNNAIL QKDGKKVIDL TPAAIGPFTI PAINGDANID EPNINMVTCG GQATIPMVRA VRRATDRVIW GEIVASISSK SAGPGTRANI DEFTETTSKA IEILGGAEHG KAIIILNPAE PPLIMRDTVF TLSQGGSRES IEQSILDMVA AVQKYVPGYR LKQKVQFENI GDNAPVRIPG VGLCSGLKTT IMLEVEGAAH YLPAYAGNLD IMTSAALVSA DHWAAKQLQK EAA
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	33,150 Da
Sequence Positions	1-313, 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 B8ESV1
Species	Methylocella silvestris (strain BL2 / DSM 15510 / NCIMB 13906)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Msil_1478 recombinant protein	MBS1161013 is a recombinant protein targeting Msil_1478. Also known as Recombinant Methylocella silvestris Acetaldehyde dehydrogenase (Msil_1478). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Msil_1478 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 Msil_1478. It may not necessarily be applicable to this product.

NCBI GI #	501586210
NCBI Accession #	WP_012590506.1
UniProt Primary Accession #	B8ESV1
GenBank Nucleotide #	WP_012590506.1

NCBI Official Full Name	acetaldehyde dehydrogenase
UniProt Protein Name	Acetaldehyde dehydrogenase
UniProt Synonym Protein Names	Acetaldehyde dehydrogenase [acetylating]
UniProt Gene Name	Msil_1478
UniProt Comments for Msil_1478	Catalyzes the conversion of acetaldehyde to acetyl-CoA, using NAD+ and coenzyme A. Is the final enzyme in the meta-cleavage pathway for the degradation of aromatic compounds.
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