2-Oxoglutarate Dehydrogenase E1 Component (odhA) Geobacillus Kaustophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-oxoglutarate dehydrogenase E1 component (odhA), Recombinant Protein
Full Product Name	Recombinant Geobacillus kaustophilus 2-oxoglutarate dehydrogenase E1 component (odhA), partial
Product Gene Name	odhA recombinant protein
Product Synonym Gene Name	odhA
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	107,561 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.
3D Structure	ModBase 3D Structure for Q5L172
Species	Geobacillus kaustophilus (strain HTA426)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for odhA recombinant protein	MBS1458389 is a recombinant protein targeting odhA. Also known as Recombinant Geobacillus kaustophilus 2-oxoglutarate dehydrogenase E1 component (odhA), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of odhA 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 odhA. It may not necessarily be applicable to this product.

NCBI GI #	499549740
NCBI Accession #	WP_011230523.1
UniProt Primary Accession #	Q5L172
GenBank Nucleotide #	WP_011230523.1
NCBI Official Full Name	2-oxoglutarate dehydrogenase subunit E1
UniProt Protein Name	2-oxoglutarate dehydrogenase E1 component
UniProt Synonym Protein Names	Alpha-ketoglutarate dehydrogenase
Protein Family	2-oxoglutarate dehydrogenase

UniProt Gene Name	odhA
UniProt Comments for odhA	The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO2. It contains multiple copies of three enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3).
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