# Oxaloacetate Decarboxylase (Avin_20130) (Avin_20130) Azotobacter Vinelandii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Oxaloacetate decarboxylase (Avin_20130), Recombinant Protein |
| **Full Product Name** | Recombinant Azotobacter vinelandii Oxaloacetate decarboxylase (Avin_20130) |
| **Product Gene Name** | Avin_20130 recombinant protein |
| **Sequence** | MTIASQHDLR RQFRALLESN TCYDAASVFD PMSARIAGDL KFEVGILGGS VAALQVLAAP DYALITLSEF VEQATRIGRV ACLPIIADAD HGYGNAINAM RTVAELERAG VAALTLEDTL LPPKYGHKTT DLIPLDEAVG KIRAALEARI DPQLSIIART NAEQLSVEET IGRAKAYQAA GADGICMIGI RDFEHLEAIA PHLDAPLMLI TYGNPKLNDM ARLAENGVRI VVNGHAAYFA AIKATYDRLR EQRGVGPSDL SAKELCIKYS TLDEYRVFAR EFMNVQE |
| **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** | 31,216 Da |
| **Sequence Positions** | 1-287, 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 C1DEN4 |
| **Species** | Azotobacter vinelandii (strain DJ / BAA-1303) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for Avin_20130 recombinant protein** | MBS1167817 is a recombinant protein targeting Avin_20130. Also known as Recombinant Azotobacter vinelandii Oxaloacetate decarboxylase (Avin_20130). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of Avin_20130 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 Avin_20130. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 502031911 |
| **NCBI Accession #** | WP_012700628.1 |
| **UniProt Primary Accession #** | C1DEN4 |
| **GenBank Nucleotide #** | WP_012700628.1 |

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| **NCBI Official Full Name** | oxaloacetate decarboxylase |
| **UniProt Protein Name** | Oxaloacetate decarboxylase |
| **UniProt Gene Name** | Avin_20130 |
| **UniProt Comments for Avin_20130** | Catalyzes the decarboxylation of oxaloacetate into pyruvate. Seems to play a role in maintaining cellular concentrations of bicarbonate and pyruvate. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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