Acetylornithine Aminotransferase 2 (argD2) Bordetella Bronchiseptica Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetylornithine aminotransferase 2 (argD2), Recombinant Protein
Full Product Name	Recombinant Bordetella bronchiseptica Acetylornithine aminotransferase 2 (argD2)
Product Gene Name	argD2 recombinant protein
Product Synonym Gene Name	argD2
Sequence	MEFSQFKVNA LMEITARPDL VFVRGQGSWL EDHAGKRYLD FVQGWAVNTL GHCAPEMKRA LAEQADKLMN PSPAFYNLPS IELAQRLTSA SCFDRVFFAN SGAEANEGAI KLARKWGRVN RNGAYKIITM NHGFHGRTLA TMSASGKPGW DTMFAPQVEG FPKAEINDLD SVRALIDAQT VAVMLEPVQG EAGVIPATRE FMQGLRKLAD EHGILFIVDE VQTGMGRTGS LFAYQQFDVI PDIMTLAKGI GGGIPLAALL AREEVCVFAH GDQGGTYNGN PLCAAVGVAV FDTITAPGFM EAAQARTRQL SEGLLALSAK RGLRGERGMG LLRALVLDRD DAPAIVEAAR MLAPEGLLLN APRGNLLRFM PALNVTEADM ARMLEQLDGV IAAVRK
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	42,802 Da
Sequence Positions	1-396, 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 Q7WDN7
Species	Bordetella bronchiseptica (strain BAA-588 / 13252 / RB50) (Alcaligenes bronchisepticus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for argD2 recombinant protein	MBS1354571 is a recombinant protein targeting argD2. Also known as Recombinant Bordetella bronchiseptica Acetylornithine aminotransferase 2 (argD2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of argD2 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 argD2. It may not necessarily be applicable to this product.

NCBI GI #	489912547
NCBI Accession #	WP_003815956.1
UniProt Primary Accession #	Q7WDN7

GenBank Nucleotide #	WP_003815956.1
NCBI Official Full Name	aspartate aminotransferase family protein
UniProt Protein Name	Acetylornithine aminotransferase 2
Protein Family	Acetylornithine aminotransferase
UniProt Gene Name	argD2
UniProt Synonym Gene Names	ACOAT 2
UniProt Comments for argD2	MiscellaneousMay also have succinyldiaminopimelate aminotransferase activity, thus carrying out the corresponding step in lysine biosynthesis.
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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