Shikimate Dehydrogenase (aroE) Methanococcoides Burtonii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Shikimate dehydrogenase (aroE), Recombinant Protein
Full Product Name	Recombinant Methanococcoides burtonii Shikimate dehydrogenase (aroE)
Product Gene Name	aroE recombinant protein
Product Synonym Gene Name	aroE
Sequence	MKKIFAVLGD PIEHSLSPIM HNSAFEALDM DCTYHAFRVE KNDLENALQG AKAMGFGGLN LTVPLKETAL KFVDADSLAA KIGAINTIDF KDGIKGYNTD GIGAKRTIED EGVDIKDKNV LILGAGGAAR AIAFTFAEAG ANVNIANRTP ERAMQLAAEI GDAKGYGLDI VDNGLEDIDI LINTTTVGLG NSNGTLVTAE QMHSDLAVFD IVYNPLMTKL LQEAETAGAR PITGIMMLVY QGAEAFRIWT GKEPPINVMK KTVMETLDI
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	28,790 Da
Sequence Positions	1-269, 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 Q12UJ9
Species	Methanococcoides burtonii (strain DSM 6242)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aroE recombinant protein	MBS1325398 is a recombinant protein targeting aroE. Also known as Recombinant Methanococcoides burtonii Shikimate dehydrogenase (aroE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of aroE 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 aroE. It may not necessarily be applicable to this product.

NCBI GI #	499819284
NCBI GeneID	3996950
NCBI Accession #	WP_011500018.1
UniProt Primary Accession #	Q12UJ9
UniProt Related Accession #	Q12UJ9

GenBank Nucleotide #	WP_011500018.1
NCBI Official Full Name	shikimate dehydrogenase
NCBI Official Symbol	MBUR_RS10340
UniProt Protein Name	Shikimate dehydrogenase (NADP(+))
Protein Family	Quinate/shikimate dehydrogenase
UniProt Gene Name	aroE
UniProt Synonym Gene Names	SDH
NCBI Protein Information	shikimate dehydrogenase
UniProt Comments for aroE	Involved in the biosynthesis of the chorismate, which leads to the biosynthesis of aromatic amino acids. Catalyzes the reversible NADPH linked reduction of 3-dehydroshikimate (DHSA) to yield shikimate (SA).
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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