3-Dehydroquinate Synthase (aroB) Pseudomonas Syringae Pv. Tomato Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-dehydroquinate synthase (aroB), Recombinant Protein
Full Product Name	Recombinant Pseudomonas syringae pv. tomato 3-dehydroquinate synthase (aroB)
Product Gene Name	aroB recombinant protein
Product Synonym Gene Name	aroB
Sequence	MQTLKVELGE RSYPIHIGEG LLDQPELLAP HIVGRQVAIV SNTTVAPLYL ERLTQTLAGY NVLPIVLPDG EAFKNWETLQ TIFDGLLTAR HDRRTTVIAL GGGVIGDMAG FAAACYQRGV NFIQIPTTLL SQVDSSVGGK TGINHPLGKN MVGAFYQPSV VLIDTTSLNT LPERELSAGL AEVIKYGLIC DEPFLTWLEE HVDALRGLDQ AALTVAIERS CAAKALVVGA DERESGVRAT LNLGHTFGHA IETHMGYGVW LHGEAVAAGT VMALEMSSRL GWISTQERDR GIRLFQRAGL PVVPPQEMTE DNFLEHMAID KKVIDGRLRL VLLRQIGEAV ITDDYPQEVL QATLVADYRA LVDQLRG
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	39,979 Da
Sequence Positions	1-367, 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 Q87V15
Species	Pseudomonas syringae pv. tomato (strain DC3000)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aroB recombinant protein	MBS1482952 is a recombinant protein targeting aroB. Also known as Recombinant Pseudomonas syringae pv. tomato 3-dehydroquinate synthase (aroB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of aroB 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 aroB. It may not necessarily be applicable to this product.

NCBI GI #	28872239
NCBI GeneID	1186811
NCBI Accession #	NP_794858.1

UniProt Primary Accession #	Q87V15
UniProt Related Accession #	Q87V15
GenBank Nucleotide #	NC_004578.1
NCBI Official Full Name	3-dehydroquinate synthase
NCBI Official Symbol	aroB
UniProt Protein Name	3-dehydroquinate synthase
Protein Family	3-dehydroquinate synthase
UniProt Gene Name	aroB
UniProt Synonym Gene Names	DHQS
NCBI Protein Information	3-dehydroquinate synthase
UniProt Comments for aroB	Catalyzes the conversion of 3-deoxy-D-arabino-heptulosonate 7-phosphate (DAHP) to dehydroquinate (DHQ).
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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