3-Dehydroquinate Synthase (aroB) Rhodospirillum Rubrum Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-dehydroquinate synthase (aroB), Recombinant Protein
Full Product Name	Recombinant Rhodospirillum rubrum 3-dehydroquinate synthase (aroB)
Product Gene Name	aroB recombinant protein
Product Synonym Gene Name	aroB
Sequence	MSPDTAADAA ADPALQSSVL TVSLGERSYP IHIGPGLLGR AGALIAPLLR KPRVFVVTDA TVAALHLDPL LASLGAAGIA HDHVVLPAGE ATKSFSQLEE LLDLLLAARF ERSTTLLALG GGVIGDLVGF AAAILLRGVD FIQIPTTLLA QVDSSVGGKT GINTAYGKNL VGAFHQPRLV LADTTVLDTL PRRELLAGYG EVVKYGVIDD PAFFDWLEEH GSALIAGDGG ARIHAVLTAC RAKARVVAED EREGGRRALL NLGHTFGHAL EAETGFGPTL LHGEAVALGM VMALDLSVRL GLCPPADAAR LRAHLDHVGL PTDPRRLEGA PAWNAERLLA AMDHDKKVED GKVTFVLARG IGRSLLWREA DTASVLATLR AAVAP
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	40,260 Da
Sequence Positions	1-385, 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 Q2RMW0
Species	Rhodospirillum rubrum (strain 11170 / NCIB 8255)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aroB recombinant protein	MBS1344694 is a recombinant protein targeting aroB. Also known as Recombinant Rhodospirillum rubrum 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 #	499710754
NCBI GeneID	3837198
NCBI Accession #	WP_011391488.1
UniProt Primary Accession #	Q2RMW0

UniProt Related Accession #	Q2RMW0
GenBank Nucleotide #	WP_011391488.1
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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