3-Dehydroquinate Synthase (aroB) Pyrococcus Furiosus Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-dehydroquinate synthase (aroB), Recombinant Protein
Full Product Name	Recombinant Pyrococcus furiosus 3-dehydroquinate synthase (aroB)
Product Gene Name	aroB recombinant protein
Product Synonym Gene Name	aroB
Sequence	MEGIIFGDLS TLPDLLSSLS PYKVVVLTNT TLKELWLEEV LTWLKEFKPQ TIVVPDGEKY KDLDTVRYIW EKLLEMGFTR RSLLIGLGGG VITDIAGFVA STYMRGTYLG LVPTTLLAQV DAAIGGKTGI NFYGKNIIGT FYLPKFVLIC RDFLKTLPMV EILNGLAEVV KYGILDKEVY NAIKTMNSPR EIVEREDIIK KSVAVKLRIV EEDLKENGKR RVLNLGHTVG HAIEKISDYK IKHGFAVSMG LVVEAKIGEI LYGFDSGKVV EILTKFGLPV KIPFDPYTTL QAMKIDKKAW YGKIVIVVPV EIGKANIEEV DEKIILQALE EAKNA
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	37,384 Da
Sequence Positions	1-335, 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 Q8U0A8
Species	Pyrococcus furiosus (strain 43587 / DSM 3638 / JCM 8422 / Vc1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aroB recombinant protein	MBS1373524 is a recombinant protein targeting aroB. Also known as Recombinant Pyrococcus furiosus 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 #	499322345
NCBI Accession #	WP_011012837.1
UniProt Primary Accession #	Q8U0A8
GenBank Nucleotide #	WP_011012837.1
NCBI Official Full Name	3-dehydroquinate synthase

UniProt Protein Name	3-dehydroquinate synthase
Protein Family	3-dehydroquinate synthase
UniProt Gene Name	aroB
UniProt Synonym Gene Names	DHQS
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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