Shikimate Kinase (aroK) Synechococcus Elongatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Shikimate kinase (aroK), Recombinant Protein
Full Product Name	Recombinant Synechococcus elongatus Shikimate kinase (aroK)
Product Gene Name	aroK recombinant protein
Product Synonym Gene Name	aroK
Sequence	MSLVTALNGL DLFLVGLMGS GKTTIGKLLA ESLGYTYVDT DSLIENVTGR SIPEIFASDG EAGFRQIETQ VLEEVASYRR LVVATGGGIV IRPENWSYLQ QGLVIWLDVP IPELLRRLEG DQNRPLLQTE APATTLQALW EQRRDRYAQA DLRIAIEASE DPEVTMQRIL EVIPSVLKNS ADSSPAEIET
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	20,956 Da
Sequence Positions	1-190, 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 Q31PU5
Species	Synechococcus elongatus (strain PCC 7942) (Anacystis nidulans R2)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aroK recombinant protein	MBS1342713 is a recombinant protein targeting aroK. Also known as Recombinant Synechococcus elongatus Shikimate kinase (aroK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of aroK 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 aroK. It may not necessarily be applicable to this product.

NCBI GI #	499562175
NCBI Accession #	WP_011242958.1
UniProt Primary Accession #	Q31PU5
GenBank Nucleotide #	WP_011242958.1
NCBI Official Full Name	MULTISPECIES: shikimate kinase
UniProt Protein Name	Shikimate kinase

Protein Family	Putative shikimate kinase
UniProt Gene Name	aroK
UniProt Synonym Gene Names	SK
UniProt Comments for aroK	Catalyzes the specific phosphorylation of the 3-hydroxyl group of shikimic acid using ATP as a cosubstrate.
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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