3-Phosphoshikimate 1-Carboxyvinyltransferase (aroA) Klebsiella Pneumoniae Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-phosphoshikimate 1-carboxyvinyltransferase (aroA), Recombinant Protein
Full Product Name	Recombinant Klebsiella pneumoniae 3-phosphoshikimate 1-carboxyvinyltransferase (aroA)
Product Gene Name	aroA recombinant protein
Sequence	MESLTLQPIA RVDGTVNLPG SKSVSNRALL LAALARGTTV LTNLLDSDDV RHMLNALSAL GVHYVLSSDR TRCEVTGTGG PLQAGSALEL FLGNAGTAMR PLAAALCLGS NDIVLTGEPR MKERPIGHLV DALRQGGAQI DYLEQENYPP LRLRGGFTGG DVEVDGSVSS QFLTALLMAS PLAPQDTVIA IKGELVSRPY IDITLHLMKT FGVEVENQAY QRFIVRGNQQ YQSPGDYLVE GDASSASYFL AAGAIKGGTV KVTGIGRNSV QGDIRFADVL EKMGATVTWG EDYIACTRGE LNAIDMDMNH IPDAAMTIAT AALFARGTTT LRNIYNWRVK ETDRLFAMAT ELRKVGAEVE EGEDYIRITP PLTLQFAEIG TYNDHRMAMC FSLVALSDTP VTILDPKCTA KTFPDYFGQL ARISTLA
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	46,029 Da
Sequence Positions	1-427, 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 P24497
Species	Klebsiella pneumoniae
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for aroA recombinant protein	MBS1258078 is a recombinant protein targeting aroA. Also known as Recombinant Klebsiella pneumoniae 3-phosphoshikimate 1-carboxyvinyltransferase (aroA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of aroA 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 aroA. It may not necessarily be applicable to this product.

NCBI GI #	114173
NCBI Accession #	P24497.1
UniProt Primary Accession #	P24497
NCBI Official Full Name	3-phosphoshikimate 1-carboxyvinyltransferase

UniProt Protein Name	3-phosphoshikimate 1-carboxyvinyltransferase
UniProt Synonym Protein Names	5-enolpyruvylshikimate-3-phosphate synthase
Protein Family	2-amino-3,7-dideoxy-D-threo-hept-6-ulosonate synthase
UniProt Gene Name	aroA
UniProt Synonym Gene Names	EPSPS
UniProt Comments for aroA	Target of the herbicide glyphosate. Catalyzes the transfer of the enolpyruvyl moiety of phosphoenolpyruvate (PEP) to the 5-hydroxyl of shikimate-3-phosphate (S3P) to produce enolpyruvyl shikimate-3-phosphate and inorganic phosphate.
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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