5-Keto-4-Deoxy-D-Glucarate Aldolase (garL) Recombinant Protein

PRODUCT OVERVIEW

Product Name	5-keto-4-deoxy-D-glucarate aldolase (garL), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O1:K1 / APEC 5-keto-4-deoxy-D-glucarate aldolase (garL)
Product Gene Name	garL recombinant protein
Sequence	MNNDVFPNKF KAALAAKQVQ IGCWSALSNP ISTEVLGLAG FDWLVLDGEH APNDISTFIP QLMALKGSAS APVVRVPTNE PVIIKRLLDI GFYNFLIPFV ETKEEAEQAV ASTRYPPEGI RGVSVSHRAN MFGTVADYFA QSNKNITILV QIESQQGVDN VDAIAATEGV DGIFVGPSDL AAALGHLGNA SHPDVQKAIQ HIFNRASAHG KPSGILAPVE ADARRYLEWG ATFVAVGSDL GVFRSATQKL ADTFKK
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	27,399 Da
Sequence Positions	1-256, 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 A1AG35
Species	Escherichia coli O1:K1 / APEC
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for garL recombinant protein	MBS1244931 is a recombinant protein targeting garL. Also known as Recombinant Escherichia coli O1:K1 / APEC 5-keto-4-deoxy-D-glucarate aldolase (garL). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of garL 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 garL. It may not necessarily be applicable to this product.

NCBI GI #	446980971
NCBI Accession #	WP_001058227.1
UniProt Primary Accession #	A1AG35
GenBank Nucleotide #	WP_001058227.1
NCBI Official Full Name	MULTISPECIES: 5-keto-4-deoxy-D-glucarate aldolase
UniProt Protein Name	5-keto-4-deoxy-D-glucarate aldolase

UniProt Synonym Protein Names	2-dehydro-3-deoxy-D-glucarate aldolase
Protein Family	5-keto-4-deoxy-D-glucarate aldolase
UniProt Gene Name	garL
UniProt Synonym Gene Names	KDGluc aldolase; KDGlucA
UniProt Comments for garL	Catalyzes the reversible retro-aldol cleavage of both 5-keto-4-deoxy-D-glucarate and 2-keto-3-deoxy-D-glucarate to pyruvate and tartronic semialdehyde.
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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