L-Arabinose Isomerase (araA) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-arabinose isomerase (araA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 L-arabinose isomerase (araA)
Product Gene Name	araA recombinant protein
Sequence	MTIFDNYEVW FVIGSQHLYG PETLRQVTQH AEHVVKALNT EAKLPCKLVL KPLGTTPDEI TAICRDANYD DRCAGLVVWL HTFSPAKMWI NGLTMLNKPL LQFHTQFNAA LPWDSIDMDF MNLNQTAHGG REFGFIGARM RQQHAVVTGH WQDKQAHERI GSWMRQAVSK QDTRHLKVCR FGDNMREVAV TDGDKVAAQI KFGFSVNTWA VGDLVQVVNS ISDGDVNALV DEYESCYTMT PATQIHGEKR QNVLEAARIE LGMKRFLEQG GFHAFTTTFE DLHGLKQLPG LAVQRLMQQG YGFAGEGDWK TAALLRIMKV MSTGLQGGTS FMEDYTYHFE KGNDLVLGSH MLEVCPSIAA EEKPILDVQH LGIGGKDDPA RLIFNTQTGP AIVASLIDLG DRYRLLVNCI DTVKTPHSLP KLPVANALWK AQPDLPTASE AWILAGGAHH TVFSHALNLN DMRQFAEMHD IEITVIDNDT RLPAFKDALR WNEVYYGFRR
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	56,089 Da
Sequence Positions	1-500, 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 P58538
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for araA recombinant protein	MBS1163877 is a recombinant protein targeting araA. Also known as Recombinant Escherichia coli O157:H7 L-arabinose isomerase (araA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of araA 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 araA. It may not necessarily be applicable to this product.

NCBI GI #	15829320
NCBI GeneID	913468
NCBI Accession #	NP_308093.1
UniProt Primary Accession #	P58538

GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	L-arabinose isomerase
NCBI Official Symbol	ECs0066
UniProt Protein Name	L-arabinose isomerase
Protein Family	L-arabinose 1-dehydrogenase
UniProt Gene Name	araA
NCBI Protein Information	L-arabinose isomerase
UniProt Comments for araA	Catalyzes the conversion of L-arabinose to L-ribulose.
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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