Galactose-6-Phosphate Isomerase Subunit Laca (lacA) Clostridium Acetobutylicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Galactose-6-phosphate isomerase subunit lacA (lacA), Recombinant Protein
Full Product Name	Recombinant Clostridium acetobutylicum Galactose-6-phosphate isomerase subunit lacA (lacA)
Product Gene Name	lacA recombinant protein
Product Synonym Gene Name	lacA
Sequence	MKIAIGADTD GFELKEHLKN YLKSKGIEVI DKTPEKGINL VKSASLVAQA VMNKEADRAV AIDEYGAGSF MVGAKHKGII CAEVSDEHSA KMTSQHNSAN MLAIGAGIVG KRLAEGMLDA YIAEKYAGGR HQIRVDMLNK ML
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	15,260 Da
Sequence Positions	1-142, 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 Q97F01
Species	Clostridium acetobutylicum (strain 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lacA recombinant protein	MBS1415706 is a recombinant protein targeting lacA. Also known as Recombinant Clostridium acetobutylicum Galactose-6-phosphate isomerase subunit lacA (lacA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lacA 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 lacA. It may not necessarily be applicable to this product.

NCBI GI #	15896207
NCBI GeneID	1119137
NCBI Accession #	NP_349556.1
UniProt Primary Accession #	Q97F01
UniProt Related Accession #	Q97F01
GenBank Nucleotide #	NC_003030.1

NCBI Official Full Name	galactose-6-phosphate isomerase subunit LacA
NCBI Official Symbol	lacA
UniProt Protein Name	Galactose-6-phosphate isomerase subunit LacA
Protein Family	Beta-galactosidase
UniProt Gene Name	lacA
NCBI Protein Information	galactose-6-phosphate isomerase subunit LacA
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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