L-Ribulose-5-Phosphate 3-Epimerase Ulae (ulaE) Salmonella Typhimurium Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-ribulose-5-phosphate 3-epimerase UlaE (ulaE), Recombinant Protein
Full Product Name	Recombinant Salmonella typhimurium L-ribulose-5-phosphate 3-epimerase UlaE (ulaE)
Product Gene Name	ulaE recombinant protein
Product Synonym Gene Name	ulaE
Sequence	MLSKQIPLGI YEKALPAGEC WLERLRLAKT LGFDFVEMSV DETDARLARL DWSREQRLAL VSAVAETGVR VPSMCLSAHR RFPLGSEDDA IRAQGLEIMR KAIQFAQDVG IRVIQLAGYD VYYQQANDET RCRFRDGLKE SVDMASRAQV TLAMEIMDYP LMNSISKALG YAHYLNNPWF QLYPDIGNLS AWDNDVQMEL QAGIGHIVAV HVKDTKPGVF KNVPFGEGVV DFERCFETLK QSGYCGPYLI EMWSETAENP AAEVAKARDW VKARMASAGL VEAA
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	31,820 Da
Sequence Positions	1-284, 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 Q8ZK86
Species	Salmonella typhimurium (strain LT2 / SGSC1412 / 700720)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ulaE recombinant protein	MBS1485445 is a recombinant protein targeting ulaE. Also known as Recombinant Salmonella typhimurium L-ribulose-5-phosphate 3-epimerase UlaE (ulaE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ulaE 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 ulaE. It may not necessarily be applicable to this product.

NCBI GI #	16767633
NCBI GeneID	1255913
NCBI Accession #	NP_463248.1
UniProt Primary Accession #	Q8ZK86

UniProt Related Accession #	Q8ZK86
GenBank Nucleotide #	NC_003197.2
NCBI Official Full Name	xylulose 5-phosphate 3-epimerase
NCBI Official Symbol	sgaU
UniProt Protein Name	L-ribulose-5-phosphate 3-epimerase UlaE
UniProt Synonym Protein Names	L-ascorbate utilization protein E
Protein Family	L-ribulose-5-phosphate 3-epimerase
UniProt Gene Name	ulaE
NCBI Protein Information	xylulose 5-phosphate 3-epimerase
UniProt Comments for ulaE	Catalyzes the isomerization of L-xylulose-5-phosphate to L-ribulose-5-phosphate. Is involved in the anaerobic L-ascorbate utilization.
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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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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