L-Ribulose-5-Phosphate 4-Epimerase Ulaf (ulaF) Salmonella Typhi Recombinant Protein

PRODUCT OVERVIEW

Product Name	L-ribulose-5-phosphate 4-epimerase UlaF (ulaF), Recombinant Protein
Full Product Name	Recombinant Salmonella typhi L-ribulose-5-phosphate 4-epimerase UlaF (ulaF)
Product Gene Name	ulaF recombinant protein
Product Synonym Gene Name	ulaF
Sequence	MQKLKQQVFD ANMDLPRYGL VTFTWGNVSA IDRERGLVVI KPSGVAYETM KVDDMVVVDM DGKVVEGRYR PSSDTATHLA LYQRYPSLGG VVHTHSTHAT AWAQAGMAIP ALGTTHADYF FGDIPCTRAL SEEEVQGEYE LNTGKVIIET LGEVEPLHTP GIVVYQHGPF AWGKDAHDAV HNAVVMEEVA RMAWIARGIN PGLNPIDDYL MNKHFMRKHG PNAYYGQK
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	25,313 Da
Sequence Positions	1-228, 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 Q8Z167
Species	Salmonella typhi
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ulaF recombinant protein	MBS1379517 is a recombinant protein targeting ulaF. Also known as Recombinant Salmonella typhi L-ribulose-5-phosphate 4-epimerase UlaF (ulaF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ulaF 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 ulaF. It may not necessarily be applicable to this product.

NCBI GI #	16763205
NCBI GeneID	1250946
NCBI Accession #	NP_458822.1
UniProt Primary Accession #	Q8Z167
UniProt Secondary Accession #	Q7C542

GenBank Nucleotide #	NC_003198.1
NCBI Official Full Name	class II aldolase
NCBI Official Symbol	sgaE
UniProt Protein Name	L-ribulose-5-phosphate 4-epimerase UlaF
UniProt Synonym Protein Names	L-ascorbate utilization protein F
Protein Family	L-ribulose-5-phosphate 4-epimerase
UniProt Gene Name	ulaF
NCBI Protein Information	class II aldolase
UniProt Comments for ulaF	Catalyzes the isomerization of L-ribulose 5-phosphate to D-xylulose 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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