2-Keto-3-Deoxy-L-Rhamnonate Aldolase (rhmA) Shigella Dysenteriae Serotype 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	2-keto-3-deoxy-L-rhamnonate aldolase (rhmA), Recombinant Protein
Full Product Name	Recombinant Shigella dysenteriae serotype 1 2-keto-3-deoxy-L-rhamnonate aldolase (rhmA)
Product Gene Name	rhmA recombinant protein
Product Synonym Gene Name	rhmA
Sequence	MNALLTNPFK ERLCKGEVQI GLWLSSTTAY MAEIAATSGY DWLLIDGEHA PNTIQDLYHQ LQAVAPYASQ PVIRPVEGSK PLIKQVLDIG AQTLLLPMVD TADQARQVVS ATRYPPYGER GVGASVARAA RWGRIENYMA QVNDSLCLLV QVESKTALDN LDKILDVQGI DGVFIGPADL SASLGYPDNA GHLEVQRIIE TSIRRIRDAG KAAGFLAVAP DMAQQCLAWG ANFVAVGVDT MLYSDALDQR LAMFKSGKNG PRIKGSY
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	28,921 Da
Sequence Positions	1-267, Full length
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 Q32DU2
Species	Shigella dysenteriae serotype 1 (strain Sd197)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rhmA recombinant protein	MBS1386687 is a recombinant protein targeting rhmA. Also known as Recombinant Shigella dysenteriae serotype 1 2-keto-3-deoxy-L-rhamnonate aldolase (rhmA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rhmA 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 rhmA. It may not necessarily be applicable to this product.

NCBI GI #	446915715
NCBI Accession #	WP_000992971.1
UniProt Primary Accession #	Q32DU2
GenBank Nucleotide #	WP_000992971.1

NCBI Official Full Name	2-keto-3-deoxy-L-rhamnonate aldolase
UniProt Protein Name	2-keto-3-deoxy-L-rhamnonate aldolase
UniProt Synonym Protein Names	2-dehydro-3-deoxyrhamnonate aldolase
Protein Family	2-keto-3-deoxy-L-rhamnonate aldolase
UniProt Gene Name	rhmA
UniProt Synonym Gene Names	KDR aldolase
UniProt Comments for rhmA	Catalyzes the reversible retro-aldol cleavage of 2-keto-3-deoxy-L-rhamnonate (KDR) to pyruvate and lactaldehyde.
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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