Uncharacterized Aldolase Lsrf (lsrF) Escherichia Coli O9:h4 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uncharacterized aldolase lsrF (lsrF), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O9:H4 Uncharacterized aldolase lsrF (lsrF)
Product Gene Name	lsrF recombinant protein
Sequence	MADLDDIKDG KDFRTDQPQQ NIPFTLKGCG ALDWGMQSRL SRIFNPKTGN TVMLAFDHGY FQGPTTGLER IDINIAPLFE HADVLMCTRG ILRSVVPPAT NKPVVLRASG ANSILAELSN EAVALSMDDA VRLNSCAVAA QVYIGSEYEH QSIKNIIQLV DAGMKVGMPT MAVTGVGKDM VRDQRYFSLA TRIAAEMGAQ IIKTYYVEKG FERIVAGCPV PIVIAGGKKL PEREALEMCW QAIDQGASGV DMGRNIFQSD HPVAMMKAVQ AVVHHNETAD RAYELYLSEK Q
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	31,851 Da
Sequence Positions	1-291, 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 A8A070
Species	Escherichia coli O9:H4 (strain HS)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lsrF recombinant protein	MBS1145914 is a recombinant protein targeting lsrF. Also known as Recombinant Escherichia coli O9:H4 Uncharacterized aldolase lsrF (lsrF). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of lsrF 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 lsrF. It may not necessarily be applicable to this product.

NCBI GI #	446696843
NCBI Accession #	WP_000774189.1
UniProt Primary Accession #	A8A070
GenBank Nucleotide #	WP_000774189.1
NCBI Official Full Name	MULTISPECIES: 3-hydroxy-5-phosphonooxypentane-2,4-dione thiolase LsrF
UniProt Protein Name	3-hydroxy-5-phosphonooxypentane-2,4-dione thiolase

Protein Family	3-hydroxy-5-phosphonooxypentane-2,4-dione thiolase
UniProt Gene Name	lsrF
UniProt Comments for lsrF	Involved in the degradation of phospho-AI-2, thereby terminating induction of the lsr operon and closing the AI-2 signaling cycle. Catalyzes the transfer of an acetyl moiety from 3-hydroxy-5-phosphonooxypentane-2,4-dione to CoA to form glycerone phosphate and acetyl-CoA.
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