Uncharacterized Aldolase Lsrf (lsrF) Klebsiella Pneumoniae Subsp. Pneumoniae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uncharacterized aldolase lsrF (lsrF), Recombinant Protein
Full Product Name	Recombinant Klebsiella pneumoniae subsp. pneumoniae Uncharacterized aldolase lsrF (lsrF)
Product Gene Name	lsrF recombinant protein
Sequence	MADLDDIKEG KDFGIDRPQQ NTLYTLKGCG SLDWGMQSRL ARIFNPHSNR TVMLAFDHGY FQGPTTGLER IDLSIAPLFA DTDVLMCTRG VLRSQVPAAT NKPVVLRASG GNSILSELSN ECVAVAMEDA LRLNVCAVAA QVYIGSEYEH QSINNIIKLV DAGNRYGMPV LAVTGVGKEM TRDARYFSLA SRIAAEMGAQ FVKTYFVEEG FEKVTASCPV PIVIAGGKKL PEHEALEMCW RAIDQGASGV DMGRNIFQSS APRAMLKAVK KVVHENLNAR EAYQFWQEEK QGELK
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	32,411 Da
Sequence Positions	1-295, 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 A6TEB4
Species	Klebsiella pneumoniae subsp. pneumoniae (strain 700721 / MGH 78578)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for lsrF recombinant protein	MBS1184736 is a recombinant protein targeting lsrF. Also known as Recombinant Klebsiella pneumoniae subsp. pneumoniae 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 #	489007142
NCBI Accession #	WP_002917724.1
UniProt Primary Accession #	A6TEB4
GenBank Nucleotide #	WP_002917724.1
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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