Fatty Acid Oxidation Complex Subunit Alpha (fadB) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Fatty acid oxidation complex subunit alpha (fadB), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 Fatty acid oxidation complex subunit alpha (fadB)
Product Gene Name	fadB recombinant protein
Sequence	MLYKGDTLYL DWLEDGIAEL VFDAPGSVNK LDTATVASLG EAIGVLEQQS DLKGLLLRSN KAAFIVGADI TEFLSLFLVP EEQLSQWLHF ANSVFNRLED LPVPTIAAVN GYALGGGCEC VLATDYRLAT PDLRIGLPET KLGIMPGFGG SVRMPRMLGA DSALEIIAAG KDVGADQALK IGLVDGVVKA EKLIEGAMAI LRQAINGDLD WKAKRQPKLE PLKLSKIEAT MSFTIAKGMV AQTAGKHYPA PITAVKTIEA AARFGREEAL NLENKSFVPL AHTNEARALV GIFLNDQYVK GKAKKLTKDV ETPKQAAVLG AGIMGGGIAY QSAWKGVPVI MKDINDKSLA LGMTEAAKLL NKQLERGKID GLKLAGVIST IHPTLDYAGF ERVDVVVEAI VENPKVKKAV LAETEQKVRP DTVLASNTST IPISELANAL ERPENFCGMH FFNPVHRMPL VEIIRGEKSS DETIAKVVAW ASKMGKTPIV VNDCPGFFVN RVLFPYFAGF SQLLRDGADF RKIDKVMEKQ FGWPMGPAYL LDVVGIDTAH HAQAVMAAGF PQRMQKDYRD AIDALFDANR FGQKNGLGFW HYKEDSKGKP KKEEDAAVDD LLAEVSQPKR DFSEEEIIAR MMIPMVNEVV RCLEEGIIAT PAEADMALVY GLGFPPFHGG AFRWLDTLGS AKYLDMAQQY QHLGPLYEVP EGLRNKARHN EPYYPPVEPA RPVGDLKTA
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	79,559 Da
Sequence Positions	1-729, 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 B5YY93
Species	Escherichia coli O157:H7 (strain EC4115 / EHEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for fadB recombinant protein	MBS1164175 is a recombinant protein targeting fadB. Also known as Recombinant Escherichia coli O157:H7 Fatty acid oxidation complex subunit alpha (fadB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of fadB 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 fadB. It may not necessarily be applicable to this product.

NCBI GI #	446888647

NCBI Accession #	WP_000965903.1
UniProt Primary Accession #	B5YY93
GenBank Nucleotide #	WP_000965903.1
NCBI Official Full Name	fatty acid oxidation complex subunit alpha FadB
UniProt Protein Name	Fatty acid oxidation complex subunit alpha
Protein Family	Fatty acid oxidation complex
UniProt Gene Name	fadB
UniProt Comments for fadB	Involved in the aerobic and anaerobic degradation of long-chain fatty acids via beta-oxidation cycle. Catalyzes the formation of 3-oxoacyl-CoA from enoyl-CoA via L-3-hydroxyacyl-CoA. It can also use D-3-hydroxyacyl-CoA and cis-3-enoyl-CoA as substrate.
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