6-Carboxyhexanoate--Coa Ligase (bioW) Bacillus Atrophaeus Recombinant Protein

PRODUCT OVERVIEW

Product Name	6-carboxyhexanoate--CoA ligase (bioW), Recombinant Protein
Full Product Name	Recombinant Bacillus atrophaeus 6-carboxyhexanoate--CoA ligase (bioW)
Product Gene Name	bioW recombinant protein
Sequence	MREEKFYSVR MRASKNGSHE VGGKHLSGGE RLTTYENMIH TVNALLEKGI YHSRGKPDFM KIQFECIDEP IQLVNPLHIE THEVESAEKG QVLARKLLEK AGIQKKMIDL AYEQIPECSG LRGAILFDIH SGKRIDQRKE RGVRVSRMDW PDTNFDKWTK CYQMPRNSRI KEALVLATKV SEHPATIAEL CWSDDPDYIT GYVASKKLGY QRITKLKEYG NESGCRIFFV DGLRDLETYI DYLEKQPVFI QWEEENDA
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	29,877 Da
Sequence Positions	1-258, 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 E3E2E2
Species	Bacillus atrophaeus (strain 1942)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for bioW recombinant protein	MBS1021252 is a recombinant protein targeting bioW. Also known as Recombinant Bacillus atrophaeus 6-carboxyhexanoate--CoA ligase (bioW). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of bioW 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 bioW. It may not necessarily be applicable to this product.

NCBI GI #	503155968
NCBI Accession #	WP_013390629.1
UniProt Primary Accession #	E3E2E2
GenBank Nucleotide #	WP_013390629.1
NCBI Official Full Name	MULTISPECIES: 6-carboxyhexanoate--CoA ligase
UniProt Protein Name	6-carboxyhexanoate--CoA ligase

UniProt Synonym Protein Names	Pimeloyl-CoA synthase
Protein Family	6-carboxyhexanoate--CoA ligase
UniProt Gene Name	bioW
UniProt Comments for bioW	Catalyzes the transformation of pimelate into pimeloyl-CoA with concomitant hydrolysis of ATP to AMP.
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