3-Oxoacyl-[Acyl-Carrier-Protein] Synthase, Mitochondrial (OXSM) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial (OXSM), Recombinant Protein
Full Product Name	Recombinant Bovine 3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial (OXSM)
Product Gene Name	OXSM recombinant protein
Product Synonym Gene Name	OXSM
Sequence	ERRFLATAPA PGLRRRVVIT GIGLVTPLGV GTQLVWDRLV RGESGIVSLV GDEYQSIPCS VAAYVPRGCD EGQFNEQNFV PKSDTKSMSP PTVMAIAAAE LALKDAGWHP QSEADQAATG VAIGMGMVPL EVISETALTF QTKGYSKVSP FFVPKILVNM ASGQVSIRHK LKGPNHAVST ACTTGAHAVG DSFRFVAHGD ADVMVAGGTD SCISPLSLAG FARARALSTN TDPKSACRPF HPQRDGFVMG EGAAVLVLEE HRHALRRGAR VYAEIVGYGL SGDAGHITAP DPGGEGAFRC MAAAVKDAGI QPEEVSYINA HATSTPLGDA AENKAIKQLF KDHAHVLAVS STKGATGHLL GTAGAAEAAF TALACYHRKL PPTLNLDCTE PHFDLNYVPL KAQEWKAENR RIALTNSFGF GGTNATLCIA GM
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	48,617 Da
Sequence Positions	29-460, 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 Q0VCA7
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for OXSM recombinant protein	MBS1438743 is a recombinant protein targeting OXSM. Also known as Recombinant Bovine 3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial (OXSM). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of OXSM 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 OXSM. It may not necessarily be applicable to this product.

NCBI GI #	115497396
NCBI GeneID	513530
NCBI Accession #	NP_001069092.1

UniProt Primary Accession #	Q0VCA7
UniProt Related Accession #	Q0VCA7
GenBank Nucleotide #	NM_001075624.2
NCBI Official Full Name	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial
NCBI Official Synonym Full Names	3-oxoacyl-ACP synthase, mitochondrial
NCBI Official Symbol	OXSM
UniProt Protein Name	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial
UniProt Synonym Protein Names	Beta-ketoacyl-ACP synthase
Protein Family	3-oxoacyl-[acyl-carrier-protein] synthase
UniProt Gene Name	OXSM
NCBI Protein Information	3-oxoacyl-[acyl-carrier-protein] synthase, mitochondrial
UniProt Comments for OXSM	May play a role in the biosynthesis of lipoic acid as well as longer chain fatty acids required for optimal mitochondrial function.
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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