Acyl-Coa Dehydrogenase (acdA) Bacillus Subtilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acyl-CoA dehydrogenase (acdA), Recombinant Protein
Full Product Name	Recombinant Bacillus subtilis Acyl-CoA dehydrogenase (acdA)
Product Gene Name	acdA recombinant protein
Sequence	MNFSLSEEHE MIRKLVRDFA KHEVAPTAAE RDEQERFDRE LFREMANLGL TGIPWPEDYG GIGSDYLAYV IAVEELSKVC ASTGVTLSAH ISLCSWPLFA FGTEEQKTEY LTQLALGEKI GAFALTEAGS GSDAGSMKTT AERIGDDYVL NGSKVFITNG GVADIYIVFA VTDPEKKKKG VTAFIVEKDF EGFFTGKKEK KLGIRSSPTT EIMFEDCVVP ASKRLGEEGE GFKIAMKTLD GGRNGIAAQA VGIAQGALDA ALQYAKERKQ FGKSIAEQQG IAFKLADMAT MIEASRLLTY QAAWLESSGL PYGKASAMSK LMAGDTAMKV TTEAVQIFGG YGYTKDYPVE RYMRDAKITQ IYEGTQEIQR LVISRMLAD
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	41,446 Da
Sequence Positions	1-379, 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 P45867
Species	Bacillus subtilis (strain 168)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for acdA recombinant protein	MBS1111802 is a recombinant protein targeting acdA. Also known as Recombinant Bacillus subtilis Acyl-CoA dehydrogenase (acdA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of acdA 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 acdA. It may not necessarily be applicable to this product.

NCBI GI #	16080770
NCBI GeneID	938457
NCBI Accession #	NP_391598.1
UniProt Primary Accession #	P45867
UniProt Related Accession #	P45867

GenBank Nucleotide #	NC_000964.3
NCBI Official Full Name	acyl-CoA dehydrogenase
NCBI Official Symbol	acdA
UniProt Protein Name	Acyl-CoA dehydrogenase
Protein Family	Acyl-CoA dehydrogenase
UniProt Gene Name	acdA
UniProt Synonym Gene Names	acd
NCBI Protein Information	acyl-CoA dehydrogenase
UniProt Comments for acdA	Involved in the degradation of long-chain fatty acids.
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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