Protein ACN9 Homolog, Mitochondrial (ACN9) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein ACN9 homolog, mitochondrial (ACN9), Recombinant Protein
Full Product Name	Recombinant Bovine Protein ACN9 homolog, mitochondrial (ACN9)
Product Gene Name	ACN9 recombinant protein
Product Synonym Gene Name	ACN9
Sequence	GDRYVKDEFR RHKTAGSKEA ERFLQEWEAY AAVLWQQANE SRQNSTEKAC FGISLPEEKL NDFRDEQIGQ LQELMQEATK PNRQFNITES RKPKL
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	14,754 Da
Sequence Positions	31-125, 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 Q0P574
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ACN9 recombinant protein	MBS1304347 is a recombinant protein targeting ACN9. Also known as Recombinant Bovine Protein ACN9 homolog, mitochondrial (ACN9). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ACN9 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 ACN9. It may not necessarily be applicable to this product.

NCBI GI #	122692379
NCBI GeneID	783805
NCBI Accession #	NP_001073821.1
UniProt Primary Accession #	Q0P574
UniProt Related Accession #	Q0P574
GenBank Nucleotide #	NM_001080352.1

NCBI Official Full Name	succinate dehydrogenase assembly factor 3, mitochondrial
NCBI Official Synonym Full Names	succinate dehydrogenase complex assembly factor 3
NCBI Official Symbol	SDHAF3
NCBI Official Synonym Symbols	ACN9
UniProt Protein Name	Succinate dehydrogenase assembly factor 3, mitochondrial
UniProt Gene Name	SDHAF3
UniProt Synonym Gene Names	SDHAF3
NCBI Protein Information	succinate dehydrogenase assembly factor 3, mitochondrial
UniProt Comments for ACN9	Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Promotes maturation of the iron-sulfur protein subunit SDHB of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants. May act together with SDHAF1.
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