Succinyl-Coa Ligase [ADP/GDP-Forming] Subunit Alpha, Mitochondrial (SUCLG1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial (Suclg1), Recombinant Protein
Full Product Name	Recombinant Mouse Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial (Suclg1)
Product Gene Name	Suclg1 recombinant protein
Product Synonym Gene Name	Suclg1
Sequence	GSYTASRKHI YIDKNTKIIC QGFTGKQGTF HSQQALEYGT KLVGGTTPGK GGQKHLGLPV FNTVKEAKEK TGATASVIYV PPPFAAAAIN EAIDAEIPLV VCITEGIPQQ DMVRVKHRLT RQGTTRLIGP NCPGVINPGE CKIGIMPGHI HKKGRIGIVS RSGTLTYEAV HQTTQVGLGQ SLCIGIGGDP FNGTDFIDCL EVFLNDPATE GIILIGEIGG HAEENAAAFL KEHNSGPKAK PVVSFIAGIT APPGRRMGHA GAIIAGGKGG AKEKISALQS AGVVVSMSPA QLGTTIYKEF EKRKML
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	36,155 Da
Sequence Positions	41-346, 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 Q9WUM5
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Suclg1 recombinant protein	MBS1470906 is a recombinant protein targeting Suclg1. Also known as Recombinant Mouse Succinyl-CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial (Suclg1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Suclg1 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 Suclg1. It may not necessarily be applicable to this product.

NCBI GI #	255958286
NCBI GeneID	56451
NCBI Accession #	NP_063932.2
UniProt Primary Accession #	Q9WUM5

UniProt Secondary Accession #	Q8C2C3; Q9DBA3; Q9DCI8
UniProt Related Accession #	Q9WUM5
GenBank Nucleotide #	NM_019879.3
NCBI Official Full Name	succinate--CoA ligase
NCBI Official Synonym Full Names	succinate-CoA ligase, GDP-forming, alpha subunit
NCBI Official Symbol	Suclg1
NCBI Official Synonym Symbols	Sucla1; 1500000I01Rik
UniProt Protein Name	Succinate--CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial
UniProt Synonym Protein Names	Succinyl-CoA synthetase subunit alpha
Protein Family	Succinate--CoA ligase
UniProt Gene Name	Suclg1
UniProt Synonym Gene Names	SCS-alpha
NCBI Protein Information	succinate--CoA ligase [ADP/GDP-forming] subunit alpha, mitochondrial
UniProt Comments for Suclg1	Succinyl-CoA synthetase functions in the citric acid cycle (TCA), coupling the hydrolysis of succinyl-CoA to the synthesis of either ATP or GTP and thus represents the only step of substrate-level phosphorylation in the TCA. The alpha subunit of the enzyme binds the substrates coenzyme A and phosphate, while succinate binding and specificity for either ATP or GTP is provided by different beta subunits.
Research Articles on Suclg1	**1.** ADP and GDP succinyl-CoA synthetases have different expression patterns and specificity
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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