Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial (SUCLA2) Recombinant Protein | SUCLA2 recombinant protein

Recombinant Human Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial (SUCLA2)

CATALOG #	HOST
AAA117650	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Succinyl-CoA ligase [ADP-forming] subunit beta; mitochondrial (SUCLA2); Recombinant Human Succinyl-CoA ligase [ADP-forming] subunit beta; SUCLA2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	53-463aa; Full-Length of the Mature Protein
Sequence	LSLHEYMSME LLQEAGVSVP KGYVAKSPDE AYAIAKKLGS KDVVIKAQVL AGGRGKGTFE SGLKGGVKIV FSPEEAKAVS SQMIGKKLFT KQTGEKGRIC NQVLVCERKY PRREYYFAIT MERSFQGPVL IGSSHGGVNI EDVAAESPEA IIKEPIDIEE GIKKEQALQL AQKMGFPPNI VESAAENMVK LYSLFLKYDA TMIEINPMVE DSDGAVLCMD AKINFDSNSA YRQKKIFDLQ DWTQEDERDK DAAKANLNYI GLDGNIGCLV NGAGLAMATM DIIKLHGGTP ANFLDVGGGA TVHQVTEAFK LITSDKKVLA ILVNIFGGIM RCDVIAQGIV MAVKDLEIKI PVVVRLQGTR VDDAKALIAD SGLKILACDD LDEAARMVVK LSEIVTLAKQ AHVDVKFQLP I
Species	Human
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.

ADDITIONAL INFORMATION

Related Product Information for SUCLA2 recombinant protein	Succinyl-CoA synthetase (SCS) is a mitochondrial matrix enzyme that acts as a heterodimer, being composed of an invariant alpha subunit and a substrate-specific beta subunit. This protein is an ATP-specific SCS beta subunit that dimerizes with the SCS alpha subunit to form SCS-A, an essential component of the tricarboxylic acid cycle. SCS-A hydrolyzes ATP to convert succinate to succinyl-CoA. Defects in this gene are a cause of myopathic mitochondrial DNA depletion syndrome. A pseudogene of this gene has been found on chromosome 6.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321583
NCBI GeneID	8803
NCBI Accession #	NP_003841.1
NCBI GenBank Nucleotide #	NM_003850.2
UniProt Accession #	Q9P2R7; O95194; Q5T9Q4; Q5T9Q6; Q9NV21; Q9NVP7; B2RDE7
Molecular Weight	48,040 Da
NCBI Official Full Name	succinate--CoA ligase
NCBI Official Synonym Full Names	succinate-CoA ligase ADP-forming beta subunit

NCBI Official Symbol	SUCLA2
NCBI Official Synonym Symbols	A-SCS; A-BETA; MTDPS5; SCS-betaA
NCBI Protein Information	succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial; succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial
UniProt Protein Name	Succinate--CoA ligase [ADP-forming] subunit beta, mitochondrial
UniProt Gene Name	**SUCLA2**
UniProt Synonym Gene Names	A-SCS; SCS-betaA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/sucla2-recombinant-protein-e-coli/117650