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

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

CATALOG #	HOST
AAA113911	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Succinyl-CoA ligase [ADP-forming] subunit beta; mitochondrial (SUCLA2); Recombinant Dog Succinyl-CoA ligase [ADP-forming] subunit beta; Recombinant Succinyl-CoA ligase [ADP-forming] subunit beta; mitochondrial EC= 6.2.1.5; ATP-specific succinyl-CoA synthetase subunit beta Succinyl-CoA synthetase beta-A chain; SCS-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	1-20. Full Length Protein
Sequence	LSLHEYMSME LLQEAGVSIP
Species	Canis familiaris (Dog) (Canis lupus familiaris)
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

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 #	3122894
UniProt Accession #	P99507
Molecular Weight	2,248 Da
NCBI Official Full Name	Succinyl-CoA ligase
UniProt Protein Name	Succinyl-CoA ligase [ADP-forming] subunit beta, mitochondrial
UniProt Gene Name	**SUCLA2**
UniProt Synonym Gene Names	SCS-betaA
UniProt Entry Name	SUCB1_CANFA

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.