

## 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 #  
**AAA113911**

HOST  
**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

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| 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. |
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### NCBI AND UNIPROT INFORMATION

|                            |                                                               |
|----------------------------|---------------------------------------------------------------|
| NCBI GI #                  | <a href="#">3122894</a>                                       |
| UniProt Accession #        | <a href="#">P99507</a>                                        |
| 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          | <b>SUCLA2</b>                                                 |
| 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.

