# Succinyl-Coa Ligase [ADP-Forming] Subunit Beta (sucC) Nautilia Profundicola Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Succinyl-CoA ligase [ADP-forming] subunit beta (sucC), Recombinant Protein |
| **Full Product Name** | Recombinant Nautilia profundicola Succinyl-CoA ligase [ADP-forming] subunit beta (sucC) |
| **Product Gene Name** | sucC recombinant protein |
| **Sequence** | MNIHEYQAKE IFRKYGVPTP RGGVAFTGPE ARRVAEELGG NLWVVKAQIH AGGRGKAGGV KLAKSLDEVE KIAEEMLGMT LVTHQTGPEG KVVKKVYIEE GADIKDELYL GMVLDRALEM PVMMASTEGG MEIEEVAEKT PEKIIKVAID PAIGFQPFHA RKLAFGLGLP KDEQREFIKF ASALYNVYMD NDAEMIEINP LIKTGDGKFL ALDAKMGFDD NALYKHPEIA EMRDLDEEEP TEVEAKKYGL SYIKLDGNVG CMVNGAGLAM ATMDIIKHEG GEPANFLDVG GGANPDTVAK GFEIILSDPN VKSIFVNIFG GIVRCDRIAN GILQATEKVE VNVPVIVRLD GTNAEEAAEI LRNANIKNII PAENLKDGAK KAVAAAKGEL |
| **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** | 42,253 Da |
| **Sequence Positions** | 1-390, 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 B9L5I6 |
| **Species** | Nautilia profundicola (strain BAA-1463 / DSM 18972 / AmH) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for sucC recombinant protein** | MBS1232733 is a recombinant protein targeting sucC. Also known as Recombinant Nautilia profundicola Succinyl-CoA ligase [ADP-forming] subunit beta (sucC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of sucC 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 sucC. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 506383032 |
| **NCBI Accession #** | WP_015902751.1 |
| **UniProt Primary Accession #** | B9L5I6 |
| **GenBank Nucleotide #** | WP_015902751.1 |

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| **NCBI Official Full Name** | succinyl-CoA ligase subunit beta |
| **UniProt Protein Name** | Succinate--CoA ligase [ADP-forming] subunit beta |
| **UniProt Synonym Protein Names** | Succinyl-CoA synthetase subunit beta |
| **Protein Family** | Succinate--CoA ligase |
| **UniProt Gene Name** | sucC |
| **UniProt Synonym Gene Names** | SCS-beta |
| **UniProt Comments for sucC** | 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 beta subunit provides nucleotide specificity of the enzyme and binds the substrate succinate, while the binding sites for coenzyme A and phosphate are found in the alpha subunit. |
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