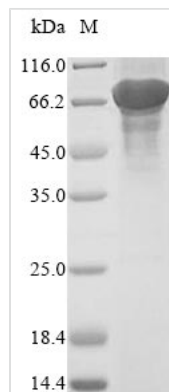




Recombinant *Saccharomyces cerevisiae* Acetyl-CoA carboxylase (ACC1), partial

Product Code	CSB-EP2725SVG2
Abbreviation	Recombinant <i>Saccharomyces cerevisiae</i> ACC1 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q00955
Product Type	Recombinant Protein
Immunogen Species	<i>Saccharomyces cerevisiae</i> (strain ATCC 204508 / S288c) (Baker's yeast)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	SEESLFESSPQKMEYEITNYSERHTELPGHFIGLNTVDKLEESPLRDFVKSHGG HTVISKILIANNGIAAVKEIRSVRKWAYETFGDDRTVQFVAMATPEDLEANAEYI RMADQYIEVPGGTNNNNYANVDLIVDIAERADVDAVWAGWGHASENPLLPEK LSQSKRKVIFIGPPGNAMRSLGDKISSTIVAQSAKVPCIPWSGTGVDTVHVDEK TGLVSVDDDIYQKGCCTSPEDGLQKAKRIGFPVMIKASEGGGGKGIQVEREE DFIALYHQAANEIPGSPIFIMKLAGRARHLEVQLLADQYGTNISLFRDCSVQR RHQKIIIEEAPVTIAKAETFHEMEKAAVRLGKLVGYVSAGTVEYLYSHDDGKFYF LELNPRQLQVEHPTTEMVSGVNLPAALQIAMGIPMHRISDIRTLYGMNPHSASE IDFEFKTQDATKKQRRPIPKGHCTACRITSEDPNDGFKPSGGTLHELNFRSSS NWWGYFSVGNNNGNIHSFSDSQFGHIFAFGENRQASRKHMVVALKELSIRGDF RTTVEYLIKLLLETEDFEDNTITTGWLDDDLITHKMTAEKPDPTLAV
Research Area	Cancer
Source	E.coli
Target Names	ACC1
Expression Region	2-581aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Mol. Weight	69.9 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The Recombinant *Saccharomyces cerevisiae* ACC1 is an indispensable tool for those focusing on cancer research and exploring the pathways of lipid metabolism. This protein, sourced from the well-characterized Baker's yeast strain (ATCC 204508 / S288c), is an acetyl-CoA carboxylase, a pivotal enzyme involved in fatty acid biosynthesis. The in-depth study of this enzyme can offer profound insights into cellular energy metabolism, especially within the context of cancer.

This version of the ACC1 protein encompasses a partial sequence (2-581 amino acids) but retains critical functionality for a broad range of applications. Expressed in an *E. coli* system, it features an N-terminal 10xHis tag for efficient detection and purification. The quality is reflected in the purity greater than 85% as determined by SDS-PAGE, highlighting the robustness of our purification process. Available in liquid or lyophilized powder form, the Recombinant *Saccharomyces cerevisiae* ACC1 ensures accuracy, high quality, and dependable results for your research.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.