

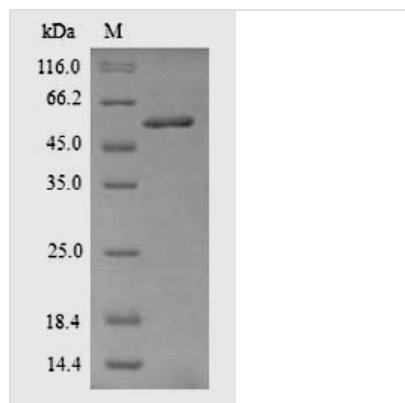


Recombinant Rat Acetyl-CoA carboxylase 1 (Acaca), partial

Product Code	CSB-YP001119RA
Relevance	Catalyzes the rate-limiting reaction in the biogenesis of long-chain fatty acids. Carries out three functions: biotin carboxyl carrier protein, biotin carboxylase and carboxyltransferase.
Abbreviation	Recombinant Rat Acaca 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.	P11497
Alias	ACC-alpha Including the following 1 domains: Biotin carboxylase (EC:6.3.4.14)
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	VIEKVLIANNGIAAVKCMRSIRRWSYEMFRNERAIRFVVMVTPEDLKANAHEYIK MADHYVPVPGGANNNNYANVELILDIAKRIPVQAVWAGWGHASENPKLPELLL KNGIAFMGPPSQAMWALGDKIASSIVAQTAGIPTLPWSGSLRVDWQENDFS KRILNVPQDLYEKG YVKD VDDGLKAAEEVGYPMIKASEGGGGK GIRKVN NAD DFPNLFRQVQAEVPGSPIFVMRLAKQSRHLEVQILADQYGN AISL FGRDCSVQ RRHQKIIIEEAPAAIATPAVFEHMEQCAVKLAKMVG YVSAGTVEYLYSQDGSFY FLELN PRLQVEHPCTEMVADVNL PAAQLQIAMGIPLFRIKDIRMMYGVSPWGD APIDFENSAHVPCPRGHVIAARITSENPD EGFKPSSGTVQELNFRSNKNVWGY FSVAAAGGLHEFADSQFGHCF SWGENREEAISNMVVALKELSIRGDFRRTTVEY LIKLLETESFQLNRIDTGWLDRLIA
Research Area	Cancer
Source	Yeast
Target Names	Acaca
Protein Names	Recommended name: Acetyl-CoA carboxylase 1 Short name= ACC1 EC= 6.4.1.2 Alternative name(s): ACC-alpha Including the following 1 domains: Biotin carboxylase EC= 6.3.4.14
Expression Region	116-617aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	57.8kDa

**Protein Length**

Partial

Image

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

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.