

Recombinant Rat ACACA Protein (116-617 aa), His-tagged

Cat. No. ACACA-1879R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ACACA Protein (116-617 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Partial.
Species	Rat
Source	E.coli
ProteinLength	116-617 aa
Description	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.
Form	Tris-based buffer,50% glycerol
Molecular Mass	59.8 kDa
AA Sequence	VIEKVLIANNGIAAVKCMRSIRRWSYEMFRNERAIRFVVMVTPEDLKANA EYIKMADH YVPVPGGANNNNYANVELILDI AKRIPVQAVWAGWGHASENPKLPELLLNKNGIAFMG PPSQAMWALGDKIASSIVAQTAGIPTLPWSGSGLRVDWQENDFSKRILNVPQDLYE KGYVKD VDDGLKAAEEVGY PVMIKASEGGGGK GIRKVN NADDFPNLFRQVQAEVP GSPIFVMRLAKQSRHLEVQILADQYGN AISLFG RDCSVQRRHQKII EEAPAAIATPAVF EHMEQCAVKLAKMVG YVSAGTVEYLYSQDGSFYFLELNPRLQVEHPCTEMVADV N LPAAQLQIAMGIPLFRIKDIRMMYGVSPWGDAPIDFENSAHVPCPRGHVIAARITSEN

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PDEGFKPSSGTVQELNFRSNKNVWGYFSVAAAGGLHEFADSQFGHCFSWGENRE
EAISNMVVALKELSIRGDFRTTVEYLIKLETFESFQLNRIDTGWLDRLIA

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name [Acaca acetyl-CoA carboxylase alpha \[Rattus norvegicus \]](#)

Official Symbol [ACACA](#)

Synonyms ACACA; acetyl-CoA carboxylase alpha; ACC-alpha; ACC1; Acac;

Gene ID [60581](#)

mRNA Refseq [NM_022193](#)

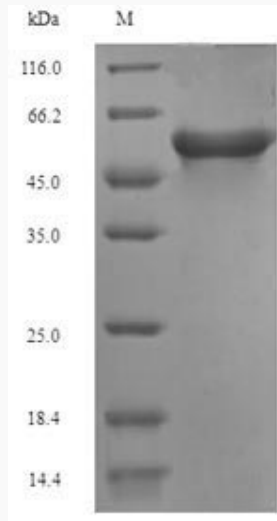
Protein Refseq [NP_071529](#)

UniProt ID [P11497](#)

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

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