



Recombinant Human ACACA Protein Product Manual

1. Product Basic Information

Product No.: REP06012

Protein Name: Acetyl-Coenzyme A Carboxylase Alpha (ACACA)

Aliases: ACC; ACAC; ACC1; ACCA; Acac1; hACC1; ACACAD; ACCalpha; ACACalpha; ACC-alpha; acetyl-Coenzyme A carboxylase alpha

UniProt ID: Q13085

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13085/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (78-617aa)

Molecular Weight: 67.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (78-617aa)

SMSGHLHLVKQGRDRKKIDSQRDFTVASPAEFVTRFGGNKVIEKVLIANNGIAAVKCM
RSIRRWSYEMFRNERAIRFVVMVTPEDLKANA EYIKMADHYVPVPGGPNNNNYAN
VELILDIAKRIPVQAVWAGWGHASENPKLPELLLKNGIAFMGPPSQAMWALGDKIAS
SIVAQTAGIPTLPWSGSLRVDWQENDFSKRILNVPQELYEKGYVKD VDDGLQAAE
EVGYPMIKASEGGGGKGIRKVNNADDFPNLFRQVQAEVPGSPIFVMRLAKQSRHL
EVQILADQYGN AISLFG RDCSVQRRHQKIIIEAPATIATPAVFEHMEQCAVKLAKMV
GYVSAGTVEYLYSQDGSFYFLELNPRLQVEHPCTEMVADVNLPA AQLQIAMGIPLY
RIKDIRMMYGVSPWGDSPIDFEDSAHVPCPRGHVIAARITSENPDEGFKPSSGTVQ
ELNFRSNKNVWGYFSVAAAGGLHEFADSQFGHCFSWGENREEAISNMVVALKELS
IRGDFRTTVEYLIKLLLETESFQMNRI DTGWLDRLI

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human ACACA partial protein (78-617aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ACACA, also known as ACC or ACAC or ACC1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.