



Recombinant Human ACAT2 Protein Product Manual

1. Product Basic Information

Product No.: REP06015

Protein Name: Acetyl-CoA Acetyltransferase Acetoacetyl Coenzyme A Thiolase (ACAT2)

Aliases: acetyl-CoA acetyltransferase acetoacetyl Coenzyme A thiolase; cytosolic acetoacetyl-CoA thiolase; acetyl-CoA transferase-like protein; acetyl-CoA acetyltransferase, cytosolic

UniProt ID: Q9BWD1

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9BWD1/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-397aa)

Molecular Weight: 48.8 kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (1-397aa)

MNAGSDPVVIVSAARTIIGSFNGALAAVPVQDLGSTVIKEVLKRATVAPEDVSEVIFG
HVLAAAGCGQNPVRQASVGAGIPYSVPAWSCQMICGSLKAVCLAVQSIGIGDSSIV
VAGGMENMSKAPHLAYLRTGVKIGEMPLTDSILCDGLTDAFHNCHMGITAENVAKK
WQVSREDQDKVAVLSQNRTENAQKAGHFDKEIVPVLVSTRKGLIEVKTDEFPRHGS
NIEAMSKLKPYFLTDGTGTVTPANASGINDGAAAVVLMKKSEADKRGTLPLARIVSW
SQVGVEPSIMGIGPIPAIKQAVTKAGWSLEDVDIFEINEAFAAVSAAIVKELGLNPEKV
NIEGGAIALGHPLGASGCRILVTLLHTLERMGRSRGVAALCIGGGMGIAMCVQRE

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 buffer containing 6% Trehalose.

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 ACAT2 full length protein (1-397aa) expressed in E.coli. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification.

ACAT2, also known as acetyl-CoA acetyltransferase acetoacetyl Coenzyme A thiolase or cytosolic acetoacetyl-CoA thiolase or acetyl-CoA transferase-like protein, 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.