



Recombinant Human ACADM Protein Product Manual

1. Product Basic Information

Product No.: REP06013

Protein Name: Medium-Chain Acyl-CoA Dehydrogenase (ACADM)

Aliases: MCAD; ACAD1; MCADH; medium-chain acyl-CoA dehydrogenase

UniProt ID: P11310

UniProt Link: <https://www.uniprot.org/uniprotkb/P11310/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (26-421aa)

Molecular Weight: 47.6kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (26-421aa)

KANRQREPGLGFSFEFTEQQKEFQATARKFAREEIIPVAAEYDKTGEYPVPLIRRAW
ELGLMNTHIPENCGGLGLGTFDACLISEELAYGCTGVQTAIEGNSLGQMPHIIAGNDQ
QKKKYLGRMTEEPLMCAYCVTEPGAGSDVAGIKTKAEKKGDEYIINGQKMWITNGG
KANWYFLLARSDPDPAKANKAFTGFIVEADTPGIQIGRKELNMGQRCS DTRGIVFE
DVKVPKENVLIGDGAGFKVAMGAFDKTRPVVAAGAVGLAQRALDEATKYALERKTF
GKLLVEHQAI SFMLAEMAMKVELARMSYQRAAWEVDSGRRNTYYASIAKAFAGDIA
NQLATDAVQILGGNGFNTEYPVEKLMRDAKIYQIYEGTSQIQRLIVAREHIDKYKN

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



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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 ACADM full length of mature protein protein (26-421aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ACADM, also known as MCAD or ACAD1 or MCADH, 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.