

ACAT2 Recombinant Protein

CATALOG NO.: XW-RP3001

BACKGROUND:

Acetyl-Coenzyme A acetyltransferase 2 is an enzyme involved in lipid metabolism. Reported patients with ACAT2 deficiency have shown severe mental retardation and hypotonus. The ACAT2 gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation. **CATALYTIC ACTIVITY:** 2 acetyl-CoA = CoA + acetoacetyl-CoA. **SUBUNIT:** Homotetramer.

SOURCE: E. coli

PURITY: >95%

BUFFER: 10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN₃

FUSION PARTNER: T7 tag at N-terminus

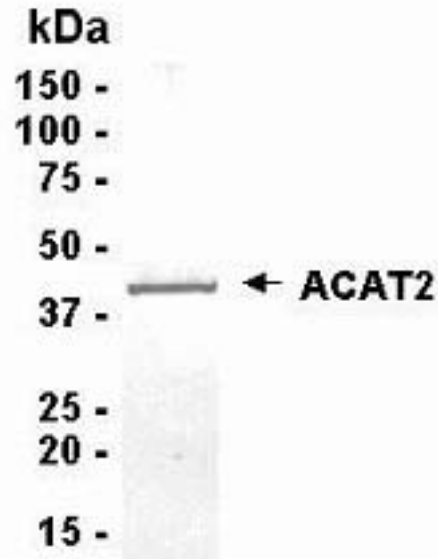
DOMAIN: aa. 1-397

MOLECULAR WEIGHT: 41.3 kDa (Calculated)

PROTEIN GI #: 5174389

PROTEIN ACCESSION #: NP_005882

TESTED APPLICATION: WB,E,MS



SDS PAGE: Analysis of ACAT2 Recombinant Protein. 4-20% SDS gradient gel. Coomassie blue staining.

STORAGE: Store at -70°C. As with any protein, exposing ACAT2 recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

During shipment, small volumes of ACAT2 recombinant protein will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap. **For research use only.**