



Product Datasheet

Product Name	Acetyl-Coenzyme A acetyltransferase 2 Human Recombinant
Cata No	CB500473
Source	<i>Escherichia Coli.</i>
Synonyms	Acetyl-CoA acetyltransferase cytosolic, Cytosolic acetoacetyl-CoA thiolase, ACAT2, Acetyl CoA transferase-like protein, ACAT-2.

Description

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.

Acetyl-Coenzyme A acetyltransferase 2 produced Human Recombinant in E.Coli is a non-glycosylated, polypeptide chain containing amino acids 1-397 and having a total molecular mass of 41.3 kda. ACAT2 contains T7 tag at N-terminus.

ACAT-2 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Formulation

Acetyl-CoA acetyltransferase cytosolic in 10mM Tris, pH 8.0, 0.1% Triton X-100 and 0.002% NaN₃.

Stability

ACAT2 although stable at 4°C for 1 week, should be stored desiccated below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Applications

- ELISA
- MS
- Inhibition Assays
- Western Blotting