

Acetyl-Coenzyme A acetyltransferase 1 Human Recombinant

Item Number	rAP-2010
Synonyms	Acetyl-CoA acetyltransferase, mitochondrial, EC 2.3.1.9, Acetoacetyl-CoA thiolase, T2, ACAT1, ACAT, MAT, THIL.
Description	ACAT1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 417 amino acids (34-427) and having a molecular mass of 43.8 kDa. ACAT1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P24752
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSVSKPTLK EVVIVSATRT PIGSFLGSL SLLPATKL GSI AIQGAIEKAG IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM KAIMMASQSL MCGHQDVMVA GGMESMSNVP YVMNRGSTPY GGVKLEDLIV KDGLTDVYNKIHMGSCAENT AKKLNI- ARNE QDAYAINSYT RSKAAWEAGK FGNEVIPVTV TVKGQPDVVV KEDEEYKRVD FSKVPKLKTV FQKENGTVTA ANASTLNDGA AALVLMTADA AKRLNVTPLA RIVAFADA AV EPIDFPIAPV YAASMLVKDV GLKKEDIAMW EVNEAFSLVV LANIKMLEIDPQKVNINGGA VSLGHPIGMS GARIVGHLTH ALKQGEYGLA
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The ACAT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl, 10% glycerol and 1mM DTT. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**