

## 32-2107: ACAT1 Recombinant Protein

**Alternative Name :** Acetyl-CoA acetyltransferase,mitochondrial,EC 2.3.1.9,Acetoacetyl-CoA thiolase,T2,ACAT1,ACAT,MAT,THIL.

### Description

Source : E.coli. 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. Acetoacetyl-CoA thiolase (ACAT1) is an enzyme member of the membrane-bound acyltransferase family and Sterol o-acyltransferase subfamily. The ACAT1 enzyme catalyzes the reversible formation of acetoacetyl-CoA from 2 molecules of acetyl-CoA. ACAT1 plays a part in lipoprotein compilation and dietary cholesterol absorption. Added to its acyltransferase activity, ACAT1 acts as a ligase.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 95% as determined by SDS-PAGE.

**Content :** The ACAT1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.1M NaCl, 10% glycerol and 1mM DTT.

**Storage condition :** 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.

**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSVSKPTLK EVVIVSATRT PIGSFLGSL SLLPATKLSI AIQGAIEKAG  
IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM KAIMMASQSL  
MCGHQDVMVA GGMESMSNP YVMNRGSTPY GGVKLEDLIV KDGLTDVYNKIHMGSCAENT  
AKKLNARNE QDAYAINS YTSRKAWEAGK FGNEVIPVTV TVKGQPDVVV KEDEEYKRVD FSKVPKLT  
FQKENGTVTA ANASTLNDGA AALVLMTADA AKRLNVTPLA RIVAFADAAV EPIDFPIAPV YAASMVLKDV  
GLKKEDIAMW EVNEAFSLVV LANIKMLEIDPQKVNINGGA VSLGHPIGMS GARIVGHLTH ALKQGEYGLA  
SICNGGGGAS AMLIQKL.

