

## 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 SGLVPRGSH MGSVSKPTLK EVVIVSATRT PIGSFLGSL SLLPATKLGSI  
AIQGAIEKAG IPKEEVKEAY MGNVLQGGEG QAPTRQAVLG AGLPISTPCT TINKVCASGM  
KAIMMASQSL MCGHQDVMVA GGMESMSNVP YVMNRGSTPY GGVKLEDLIV  
KDGLTDVYNKIHMGSCAENT AKKLNARNE QDAYAINS YT RSKAAWEAGK FGNEVIPVTV  
TVKGGQPDVVV KEDEEYKRVD FSKVPKLKT V FQKENGTVTA ANASTLNDGA AALVLMTADA  
AKRLNVTPLA RIVAFADA AV EPIDFPIAPV YAASMVLKDV GLKKEDIAMW EVNEAFSLV V  
LANIKMLEIDPQKVNINGGA VSLGHPIGMS GARIVGHLTH ALKQGEYGLA SICNGGGGAS  
AMLIQKL.

