

## ACAT2 Human

**Description:** ACAT2 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 433 amino acids (1-397 a.a.) and having a molecular mass of 45.4 kDa. The ACAT2 is fused to 36 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-302

For research use only.

**Synonyms:** Acetyl-CoA acetyltransferase cytosolic, Cytosolic acetoacetyl-CoA thiolase, ACAT2, Acetyl CoA transferase-like protein, ACAT-2.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNAG  
SDPVVIVSAA RTIGSFNGA LAAVPVQDLG STVIKEVLKR ATVAPEDVSE VIFGHVLAAG  
CGQNPVRQAS VGAGIPYSVP AWSCQMIGCS GLKAVCLAVQ SIGIGDSSIV VAGGMENMSK  
APHLAYLRTG VKIGEMPLTD SILCDGLTDA FHNCHMGITA ENVAKKWQVS REDQDKVAVL  
SQNRTEAQA AG

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

ACAT2 Human solution containing 20mM Tris pH-8, 0.1M NaCl, 1mM DTT and 20% glycerol.

**Stability:**

ACAT2 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

ACAT2 enzyme participates in lipid metabolism. ACAT2 takes part in lipoprotein assembly, catalyzing cholesterol esterification in mammalian cells. ACAT2 is an integral membrane protein that localizes to the endoplasmic reticulum of human intestinal cells. ACAT2 deficiency contributes to severe mental retardation and hypotonus.

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