

ACAT2

Recombinant Human ACAT2 (aa 1-397) His

Catalog No.	CRA209A	Quantity:	5 µg
	CRA209B		20 µg
	CRA209C		1.0 mg

Alternate Names: Acetyl-Coenzyme A Acetyltransferase 2, ACTL

Description: 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. Recombinant Human Acetyl-Coenzyme A Acetyltransferase 2 is a single, non-glycosylated polypeptide chain containing 433 amino acids (1-397). It is fused to a 36 amino acid His tag at N-terminus.

Concentration: 1 mg/ml

Gene ID: 39

Source: *E. coli*

Molecular Weight: 45.4 kDa

Formulation: Sterile filtered liquid in 20 mM Tris, pH 8.0 + 0.1 M NaCl + 1 mM DTT + 20% glycerol

Purity: > 95.0% as determined by SDS-PAGE analysis

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMNAG SDPVVIVSAA
 RTIIGSFNGA LAAVPVQDLG STVIKEVLKR ATVAPEDVSE VIFGHVLAAG
 CGQNPVRQAS VGAGIPYSVP AWSCQMICGS GLKAVCLAVQ SIGIGDSSIV
 VAGGMENMSK APHLAYLRTG VKIGEMPLTD SILCDGLTDA FHNCHMGITA
 ENVAKKWQVS REDQDKVAVL SQNRTENAQK AGHFDKEIVP VLVSTRKGLI
 EVKTDEFPRH GSNIEAMSKL KPYFLTDGTG TVTPANASGI NDGAAAVVLM
 KKSEADKRGL TPLARIVSWS QVGVPEPIMG IGIPIAIKQA VTKAGWSLED
 VDIFEINEAF AAVSAAIVKE LGLNPEKVINI EGGAIALGHP LGASGCRILV TLLHTLERMG
 RSRGVAALCI GGGMGIAMCV QR

Storage & Stability: Stable at +4°C for up to one week. For long term storage, apportion into working aliquots and store at -20°C. **Avoid repeated freeze-thaw cycles.**

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