



Recombinant Protein Technical Manual

**Recombinant Human SOAT2/ACAT2 Protein
(His&Trx Tag)
RPES0260**

Product Data:

Product SKU: RPES0260

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O75908

Protein Information:

Molecular Mass: 59.1 kDa

AP Molecular Mass: 60 kDa

Tag: N-Trx

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Acetyl-CoA acetyltransferase cytosolic; Acetyl-CoA transferase-like protein; Cytosolic acetoacetyl-CoA thiolase; ACTL; ACAT2

Immunogen Information:

Sequence: Met 1-Glu397

Background:

ACAT2 is a cytoplasmic enzyme which belongs to the thiolase family. ACAT2 takes part in lipid metabolism, lipoprotein assembly, catalyzing cholesterol esterification in mammalian cells. It is responsible for the synthesis of cholesteryl esters which are part of lipoproteins containing apoB. ACAT2 deficiency contributes to severe mental retardation and hypotonus.