

Product Data:**Product SKU:** RPES3202**Size:** 10µg**Species:** Human**Expression host:** Human Cells**Uniprot:** P04180**Protein Information:****Molecular Mass:** 48.1 kDa**AP Molecular Mass:** 66 kDa**Tag:** C-6His**Bio-activity:****Purity:** > 95 % as determined by reducing SDS-PAGE.**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.**Formulation:** Lyophilized from a 0.2 µm filtered solution of 50mM Acetate Buffer pH-4.0.**Reconstitution:** Please refer to the printed manual for detailed information.**Application:****Synonyms:** Phosphatidylcholine-sterol acyltransferase; also named Lecithin-cholesterol acyltransferase; Phospholipid-cholesterol acyltransferase and LACT; is an extracellular cholesterol esterifying enzyme which belongs to the AB hydrolase superfamily.

Immunogen Information:

Sequence: Phe25-Glu440

Background:

Lipase family. The gene encoding this protein is expressed mainly in brain, liver and testes, followed by secreting into plasma and cerebral spinal fluid. The esterification of cholesterol is required for cholesterol transport. LCAT is a central enzyme in the extracellular metabolism of plasma lipoproteins. Defects in LCAT are the cause of lecithin-cholesterol acyltransferase deficiency (LCATD) and a cause of fish-eye disease (FED).