



Recombinant Protein Technical Manual

Recombinant Human THEM2/ACOT13 Protein (His Tag)

RPES2040

Product Data:

Product SKU: RPES2040

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9NPJ3

Protein Information:

Molecular Mass: 15.9 kDa

AP Molecular Mass: 15 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 PBS, pH7.4.

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

Application:

Synonyms: Acyl-Coenzyme A Thioesterase 13; Acyl-CoA Thioesterase 13; Thioesterase Superfamily Member 2; ACOT13; THEM2

Immunogen Information:

Sequence: Thr 2-Asn140

Background:

Acyl-coenzyme A thioesterase 13, also known as Thioesterase superfamily member 2, ACOT13, THEM2 and PNAS-27, is a member of the thioesterase Paal family. Acyl-CoA thioesterases catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), providing the potential to regulate intracellular levels of acyl-CoAs, free fatty acids and CoASH. THEM2 is a cytoplasmic protein and exists in a homotetramer. THEM2 has been identified as an interacting protein of phosphatidylcholine transfer protein. THEM2 also regulates hepatic lipid and glucose metabolism.