

## 32-7688: Recombinant Human Acyl-Coenzyme A Thioesterase 13/ACOT13 (C-6His)

**Gene :** ACOT13

**Gene ID :** 55856

**Uniprot ID :** Q9NPJ3

### Description

Source: Human Cells.

MW :15.9kD.

Recombinant Human Acyl-Coenzyme A Thioesterase 13 is produced by our Mammalian expression system and the target gene encoding Thr2-Asn140 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** TSMTQSLREVIKAMTKARNFERVLGKITLVSAAPGKVICEMKVEEHTNAIGTLHGGLTATLVDNISTMALLCTE  
RGAPGVSVDNMITYMSPAKLGEDIVITAHVLKQGKTLAFTSVDLTNKATGKLIAGRHTKHLGNVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.