

# Recombinant Human THEM2/ACOT13 Protein (His Tag)



Catalog Number: PKSH032042

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

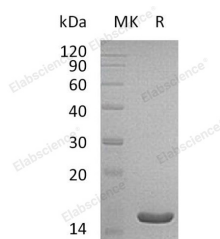
## Description

<b>Synonyms</b>	Acyl-Coenzyme A Thioesterase 13; Acyl-CoA Thioesterase 13; Thioesterase Superfamily Member 2; ACOT13; THEM2
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Thr 2-Asn140
<b>Accession</b>	Q9NPJ3
<b>Calculated Molecular Weight</b>	15.9 kDa
<b>Observed molecular weight</b>	15 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 8% Sucrose, 100mM NaCl, 0.05% Tween 80, pH7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer info
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Acyl-coenzyme A thioesterase 13, also known as Thioesterase superfamily member 2, ACOT13, THEM2 and PNAS-27, is a member of the thioesterase PaaI 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.

## For Research Use Only

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