

Product datasheet for **TP310954L**

THEM5 (NM_182578) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human thioesterase superfamily member 5 (THEM5), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC210954 protein sequence
Red=Cloning site **Green**=Tags(s)

MIRRCFQVAARLGHHRGLLEAPRILPRLNPASAFGSSTDSMFSRFLPEKTDLDYALPNASWCSDMLS
LYQEFLEKTKSSGWIKLPSFKSNRDIRGLKLPGLAVSSDKGDCRIFTRCIQVEGQGFYVIFQPTQKKS
VCLFQPGSYLEGPPGFAHGGSLAAMMDETFSKTAFLAGEGLFTLSLNIRFKNLIPVDSLVMMDVEVDKIE
DQKLYMSCIAHSRDQQTVYAKSSGVFLQLQLEESPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 27.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_872384](#)

Locus ID: 284486

UniProt ID: [Q8N1Q8](#)



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RefSeq Size: 1146

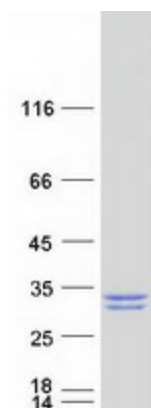
Cytogenetics: 1q21.3

RefSeq ORF: 741

Synonyms: ACOT15

Summary: Has acyl-CoA thioesterase activity towards long-chain (C16 and C18) fatty acyl-CoA substrates, with a preference for linoleoyl-CoA and other unsaturated long-chain fatty acid-CoA esters (PubMed:22586271). Plays an important role in mitochondrial fatty acid metabolism, and in remodeling of the mitochondrial lipid cardiolipin (PubMed:22586271). Required for normal mitochondrial function (PubMed:22586271).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified THEM5 protein (Cat# [TP310954]). The protein was produced from HEK293T cells transfected with THEM5 cDNA clone (Cat# [RC210954]) using MegaTran 2.0 (Cat# [TT210002]).