

Product datasheet for PH301505

THEM2 (ACOT13) (NM_018473) Human Mass Spec Standard

Product data:

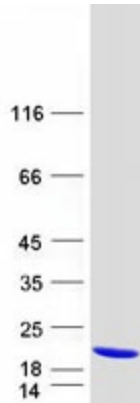
Product Type:	Mass Spec Standards
Description:	ACOT13 MS Standard C13 and N15-labeled recombinant protein (NP_060943)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201505
Predicted MW:	15 kDa
Protein Sequence:	>RC201505 protein sequence Red=Cloning site Green=Tags(s) MTSMTQSLREVIKAMTKARNFERVLGKITLVSAAPGKVICEMKVEEHTNAIGTLHGGLTATLVDNISTM ALLCTERGAPGVSVMNITYMSPAKLGEDIVITAHVLKQGKTLAFTSVDLTNKATGKLIAQGRHTKHLGN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060943
RefSeq Size:	4118
RefSeq ORF:	420
Synonyms:	HT012; PNAS-27; THEM2
Locus ID:	55856
UniProt ID:	Q9NPJ3
Cytogenetics:	6p22.3



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Summary:

This gene encodes a member of the thioesterase superfamily. In humans, the protein co-localizes with microtubules and is essential for sustained cell proliferation. The orthologous mouse protein forms a homotetramer and is associated with mitochondria. The mouse protein functions as a medium- and long-chain acyl-CoA thioesterase. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, May 2009]

Product images:

Coomassie blue staining of purified ACOT13 protein (Cat# [TP301505]). The protein was produced from HEK293T cells transfected with ACOT13 cDNA clone (Cat# [RC201505]) using MegaTran 2.0 (Cat# [TT210002]).