Recombinant Human ACOT1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. ACOT1-323H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACOT1 MS Standard C13 and N15-labeled recombinant protein (NP_001032238) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Acyl-CoA thioesterases are a group of enzymes that catalyze the hydrolysis of acyl-CoAs into free fatty acids and coenzyme A (CoASH), regulating intracellular levels of acyl-CoAs, free fatty acids and CoASH. More active towards saturated and unsaturated long chain fatty acyl-CoAs (C12-C20).
Molecular Mass	46.1 kDa
AA Sequence	MAATLILEPAGRCCWDEPVRIAVRGLAPEQPVTLRASLRDEKGALFQAHARYRADTL GELDLERAPALGGSFAGLEPMGLLWALEPEKPLVRLVKRDVRTPLAVELEVLDGHD PDPGRLLCRVRHERYFLPPGVRREPVRAGRVRGTLFLPPEPGPFPGIVDMFGTGG GLLEYRASLLAGKGFAVMALAYYNYEDLPKTMETLHLEYFEEAVNYLLSHPEVKGPG VGLLGISKGGELCLSMASFLKGITAAVVINGSVANVGGTLRYKGETLPPVGVNRNRIK VTKDGYADIVDVLNSPLEGPDQKSFIPVERAESTFLFLVGQDDHNWKSEFYANEACK RLQAHGRRKPQIICYPETGHYIEPPYFPLCRASLHALVGSPIIWGGEPRAHAMAQVD AWKQLQTFFHKHLGGHEGTIPSKVTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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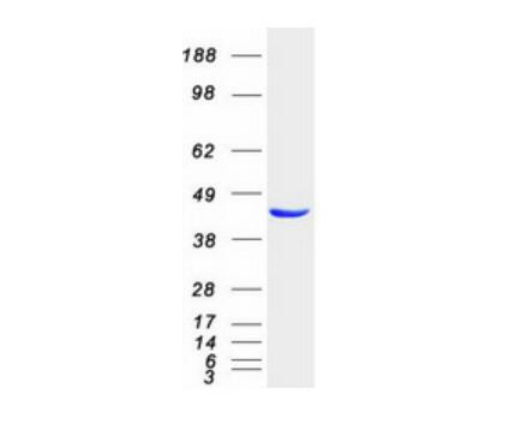
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ACOT1 acyl-CoA thioesterase 1 [Homo sapiens (human)]
Official Symbol	ACOT1
Synonyms	ACOT1; acyl-CoA thioesterase 1; acyl-coenzyme A thioesterase 1; ACH2; CTE 1; LACH2; CTE-I; CTE-Ib; long chain acyl-CoA hydrolase; long chain acyl-CoA thioester hydrolase; inducible cytosolic acyl-coenzyme A thioester hydrolase; CTE-1;
Gene ID	641371
mRNA Refseq	NM_001037161
Protein Refseq	NP_001032238
MIM	614313
UniProt ID	Q86TX2

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SDS-PAGE



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