

Recombinant Human ACOT4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ACOT4-888H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ACOT4 MS Standard C13 and N15-labeled recombinant protein (NP_689544) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	ACOT4 (Acyl-CoA Thioesterase 4) is a Protein Coding gene. Diseases associated with ACOT4 include Septo-optic Dysplasia. Among its related pathways are palmitate biosynthesis and Ovarian steroidogenesis. Gene Ontology (GO) annotations related to this gene include signaling receptor binding and palmitoyl-CoA hydrolase activity. An important paralog of this gene is ACOT1.
Molecular Mass	46.1 kDa
AA Sequence	MSATLILEPPGRCCWNEPVRIAVRGLAPEQRVTLRASLRDEK GALFRAHARYCADA RGELDLERAPALGGSFAGLEPMGLLWALEPEKPFWRFLKRDVQIPFVVELEVLDGH DPEPGRLLCQAQHERHFLPPGVRRQSVRAGRVRATLFLPPGPGPFPGIIDIFGIGGG LLEYRASLLAGHGFATLALAYNFEDLPNNMDNISLEYFEEAVCYMLQHPQVKGP GLLGISLGADICLSMASFLKNVSATVSINGSGISGNTAINYKHSSIPPLGYDLRRIK SGLVDIVDIRNALVGGYKNPSMIEKAQGPILLIVGQDDHNWRSELYAQT VSERLQA HGKEKPQIICYPGTGHYIEPPYFPLCPASLHRLLNKHVIWGGEPRAHKAQEDAWKQ ILAFFCKHLGGTQKTAVPKLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

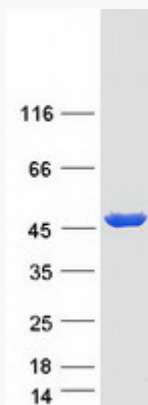
GENE INFORMATION

Gene Name	ACOT4 acyl-CoA thioesterase 4 [Homo sapiens (human)]
Official Symbol	ACOT4
Synonyms	ACOT4; acyl-CoA thioesterase 4;PTE1B; PTE2B; PTE-1b; peroxisomal succinyl-coenzyme A thioesterase; PTE-2b; acyl-coenzyme A thioesterase 4; peroxisomal acyl coenzyme A thioester hydrolase 1b; peroxisomal acyl-CoA thioesterase 2B; peroxisomal long-chain acyl-CoA thioesterase 1b; EC 3.1.2.2; EC 3.1.2.3
Gene ID	122970
mRNA Refseq	NM_152331
Protein Refseq	NP_689544
MIM	614314
UniProt ID	Q8N9L9

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SDS-PAGE

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