Recombinant Human ACOT2 protein, GST-tagged

Cat. No. ACOT2-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACOT2(1 a.a. - 483 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-483 a.a.
Description	Acyl-CoA thioesterases, such as ACOT2, are a group of enzymes that hydrolyze CoA esters, such as acyl-CoAs, bile CoAs, and CoA esters of prostaglandins, to the corresponding free acid and CoA (Hunt et al., 2005 [PubMed 16103133]).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	79.6 kDa
AA Sequence	MSNKLLSPHPHSVVLRSEFKMASSPAVLRASRLYQWSLKSSAQFLGSPQLRQVGQII RVPARMAATLILEPAGRC CWDEPVRIAVRGLAPEQPVTLRASLRDEKGALFQAHAR YRADTLGELDLERAPALGGSFAGLEPMGLLWALEPEK PLVRLVKRDVRTPLAVVLE VLDGHDPDPGRLLCQTRHERYFLPPGVRREPVRVGRVRGTLFLPPEPGPFPGIVDM FGTGGGLLEYRASLLAGKGFAVMALAYYNYEDLPKTMETLHLEYFEEAMNYLLSHP EVKGPGVGLLGISKGGELC LSMASFLKGITAAVVINGSVANVGGTLRYKGETLPPVG VNRNRIKVTKDGYADIVDVLNSPLEGPDQKSFIPVER AESTFLFLVGQDDHNWKSEF YANEACKRLQAHGRRKPQIICYPETGHYIEPPYFPLCRASLHALVGSPIIWGGEP RA

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	HAMAQVDAWKQLQTFFHKHLGGREGTIPSKV
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ACOT2 acyl-CoA thioesterase 2 [Homo sapiens]
Official Symbol	ACOT2
Synonyms	MTE1; PTE2; CTE1A; PTE2A; CTE-IA; ZAP128; acyl-coenzyme A thioester hydrolase 2a; long-chain acyl-CoA thioesterase 2; mitochondrial acyl-CoA thioesterase 1; peroxisomal long-chain acyl-coA thioesterase 2
Gene ID	10965
mRNA Refseq	NM_006821
Protein Refseq	NP_006812
MIM	609972
UniProt ID	P49753
Chromosome Location	14q24.3

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Pathway	Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Fatty acid elongation, organism-specific biosystem; Ovarian steroidogenesis, conserved biosystem
Function	acyl-CoA hydrolase activity; carboxylic ester hydrolase activity; palmitoyl-CoA hydrolase activity

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