

Recombinant Human ACOT7, GST-tagged

Cat. No. ACOT7-9301H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACOT7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	14-370a.a.
Description	This gene encodes a member of the acyl coenzyme family. The encoded protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of this gene may be associated with mesial temporal lobe epilepsy. Alternatively spliced transcript variants encoding distinct isoforms with different subcellular locations have been characterized.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	ACOT7 acyl-CoA thioesterase 7 [Homo sapiens]
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Official Symbol	ACOT7
Synonyms	ACOT7; acyl-CoA thioesterase 7; cytosolic acyl coenzyme A thioester hydrolase; ACH1; ACT; BACH; brain acyl CoA hydrolase; CTE II; hBACH; LACH1; MGC1126; CTE-IIa; acyl-CoA thioesterase 2; brain acyl-CoA hydrolase; acyl-CoA thioesterase, long chain; long chain acyl-CoA thioester hydrolase; LACH; CTE-II; RP1-120G22.10;
Gene ID	11332
mRNA Refseq	NM_007274
Protein Refseq	NP_009205
MIM	602587
UniProt ID	O00154
Chromosome Location	1p36
Pathway	Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty acid elongation, organism-specific biosystem; Fatty acid elongation, conserved biosystem;
Function	carboxylesterase activity; catalytic activity; fatty-acyl-CoA binding; hydrolase activity; palmitoyl-CoA hydrolase activity;