

Recombinant Human ACOT11, GST-tagged

Cat. No. ACOT11-9296H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACOT11 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-221a.a.
Description	This gene encodes a member of the acyl-CoA thioesterase family which catalyse the conversion of activated fatty acids to the corresponding non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and repressed by warm temperatures. Higher levels of expression of the mouse homolog has been found in obesity-resistant mice compared with obesity-prone mice, suggesting a role of acyl-CoA thioesterase 11 in obesity. Alternative splicing results in transcript variants.
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

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Gene Name	ACOT11 acyl-CoA thioesterase 11 [Homo sapiens]
Official Symbol	ACOT11
Synonyms	ACOT11; acyl-CoA thioesterase 11; THEA, thioesterase, adipose associated; acyl-coenzyme A thioesterase 11; BFIT; BFIT1; KIAA0707; StAR related lipid transfer (START) domain containing 14; STARD14; THEM1; START domain containing 14; acyl-CoA thioester hydrolase 11; adipose-associated thioesterase; brown fat-inducible thioesterase; thioesterase, adipose associated; thioesterase superfamily member 1; StAR-related lipid transfer (START) domain containing 14; THEA; DKFZp667O1916;
Gene ID	26027
mRNA Refseq	NM_015547
Protein Refseq	NP_056362
MIM	606803
UniProt ID	Q8WXI4
Chromosome Location	1p32.3
Function	acyl-CoA hydrolase activity; carboxylesterase activity; hydrolase activity;