

Recombinant Human ACOT11 Protein, GST-Tagged

Cat. No. ACOT11-167H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACOT11 full-length ORF (BAB14734.1, 1 a.a. - 594 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Nov 2010]
Molecular Mass	93.6 kDa
AA Sequence	MIQNVGNHLRRGLASVFSNRTSRKSALRAGNDSAMADGEGYRNPTEVQMSQLVLP CHTNQRGELSVGQLLKWIDTTACLSAERHAGCPCVTASMDDIYFEHTISVGQVVNIK AKVNRAFNSSMEVGIVASEDLCEKQWNVCKALATFVARREITKVCLKQITPRTEE EKMEHSVAAERRRMRVLVYADTIKDLLANCAIQGDLESRDCSRMPAEKTRVESVEL VLPPHANHQGNTFGGQIMAWMENVATIAASRLCRAHPTLKAIEFMHFRGPSQVGDR LVLKAIVNNAFKHSMEVGVCVEAYRQEAETHRRHINSAFMTFVVLDDADDQPQLLPWI RPQPGDGERRYREASARKKIRLDRKYIVSCKQTEVPLSVPWDPSNQVYLSYNNVSS

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LKMLVAKDNWVLSSEISQVRLYTLEDDKFLSFHMEMVVHVDAQAFLLLSDLRQRPE
WDKHYRSVELVQQVDEDDAIYHVTSPALGGHTKPQDFVILASRRKPCDNGDPYVIAL
RSVTLPHTHRETPEYRRGETLCSGFCLWREGDQLTKVSYYNQATPGVLNYVTTNVAG
LSSEFYTTFKACEQFLLDNRNDLAPSLQTL

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.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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](#)

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mRNA Refseq	NM_015547
Protein Refseq	NP_056362
MIM	606803
UniProt ID	Q8WXI4

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