

Full-Length

ACOT11 (Human) Recombinant Protein (P01)

Catalog # H00026027-P01

Size 50 ug

Specification

Product Description	Human ACOT11 full-length ORF (BAB14734.1, 1 a.a. - 594 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MIQNVGNHLRRGLASVFSNRTSRKSALRAGNDSAMADGEGYRNPTEVQMSQLVLPCHTNQRGE LSVGQLLKWIDTTACLSAERHAGCPCVTASMDDIYFEHTISVGQVNVNIKAKVNRAFNSMEVGIQV ASEDLCSEKQWNVCKALATFVARREITKVKLKQITPRTREEKMEHSVAAERRRMRLVYADTIKDLL ANCAIQGDLESRDCSRMPAEKTRVESVELVLPPHANHQGNTFGGQIMAWMENVTIAASRLCR AHPTLKAIEMFHFRGPSQVGDRLVLKAVNNAFKHSMEVGVCVEAYRQEAETHRRHINSAFMTFV VLDADDQPQLLPWIRPQPGDGERRYREASARKKIRLDRKYVSCKQTEVPLSVPWDPSNQVYLSY NNVSSLKMLVAKDNWVLSSEISQVRLYTLEDDKFLSFHMEMVVHVDAAQAFLLLSDLRQRPEWD KHYSVELVQQVDEDDAMHVTSPALGGHTKPQDFVILASRRKPCDNGDPYVIALRSVTLPTHRET PEYRRGETLCSGFCLWREGDQLTKVSYYNQATPGVLNVYTTNVAGLSSEFYTTFKACEQFLLDNR NDLAPSLQTL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	93.6
Interspecies Antigen Sequence	Mouse (88); Rat (88)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ACOT11

Entrez GeneID [26027](#)

GeneBank Accession# [AK023937.1](#)

Protein Accession# [BAB14734.1](#)

Gene Name ACOT11

Gene Alias BFIT, BFIT1, BFIT2, KIAA0707, STARD14, THEA, THEM1

Gene Description acyl-CoA thioesterase 11

Omim ID [606803](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein with acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates. Expression of a similar murine protein in brown adipose tissue is induced by cold exposure and repressed by warmth. Expression of the mouse protein has been associated with obesity, with higher expression found in obesity-resistant mice compared with obesity-prone mice. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000011526|OTTHUMP00000011527|OTTHUMP00000046722|START domain containing 14|StAR-related lipid transfer (START) domain containing 14|brown fat inducible thioesterase|thioesterase superfamily member 1|thioesterase, adipose associated

Disease

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