

Recombinant Full Length Human ACOT11 Protein, GST-tagged

Cat. No. ACOT11-784HF **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	In Vitro Cell Free System
ProteinLength	594 amino acids
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	MIQNVGNHLR RGLASVFSNR TSRKSALRAG NDSAMADGEG YRNPTEVQMS QLVLPCHTNQ RGELSVGQLL KWIDTTACLS AERHAGCPCV TASMDDIYFE HTISVGQVVN IKAKVNRAFN SSMEVGIQVA SEDLCSEKQW NVCKALATFV ARREITKVKL KQITPRTEEE KMEHSVAAER RRMRLVYADT IKDLLANCAI QGDLESRDCE RMVPAEKTRV ESVELVLPPH ANHQGNTFGG QIMAWMENVA TIAASRLCRA HPTLKAIEFM HFRGPSQVGD RLVLKAIVNN AFKHSMEVG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CVEAYRQEAE THRRHINSAF MTFVVLDDADD QPQLLPWIRP QPGDGERRYR
 EASARKKIRL DRKYIVSCKQ TEVPLSVPWD PSNQVYLSYN NVSSLKMLVA
 KDNWVLSSEI SQVRLYTLED DKFLSFHMEM VVHVDAQAQAF LLLSDLRQRP
 EWDKHYRSVE LVQQVDEDDA IYHVTSPALG GHTKPQDFVI LASRRKPCDN
 GDPYVIALRS VTLPTHRETP EYRRGETLCS GFCLWREGDQ LTKVSYYNQA
 TPGVLNYVTT NVAGLSSEFY TTFKACEQFL LDNRNDLAPS LQTL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

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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