

Product datasheet for **SC304326**

ACOT11 (NM_015547) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACOT11 (NM_015547) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACOT11
Synonyms:	BFIT; STARD14; THEA; THEM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015547 edited
 ATGATCCAGAATGTCGGAATCACCTGCGACGGGGCTTGGCCTCTGTGTTCTCCAACCGC
 ACATCCCAGGAAAGTCAGCCTTACGTGCGGGGAACGACAGTGCCATGGCAGACGGCGAGGGA
 TACCGGAACCCACGGAGGTGCAGATGAGCCAGCTGGTGTGCCCTGCCACACCAACAA
 CGTGGTGAGCTGAGCGTCGGGCAGCTGCTCAAGTGGATTGACACCACGGCTTGCCTGTCC
 GCGGAGAGGCACGCTGGCTGCCCTGTGTACAGCTTCCATGGATGACATCTATTTTGG
 CACACCATTAGTGTGGACAAGTGGTGAATATCAAGCCAAGGTGAACCCGGCCCTCAAC
 TCCAGCATGGAGGTGGGCATCCAGGTGGCCTCGGAGGACCTGTGCTCTGAGAAGCAGTGG
 AATGTGTGCAAGGCCTTGGCCACCTTCGTGGCCCGCCGAGAGATACCAAGGTGAAGCTG
 AAGCAGATCACGCCGCGGACAGAAGAGGAGAAGATGGAGCACAGTGTGGCGGCTGAGCGC
 CGGCGCATGCGCCTTGTCTATGCAGACACCATCAAGGACCTCCTGGCCAACCTGCGCCATT
 CAGGGCGATCTGGAGAGCAGAGACTGTAGCCGATGGTGGCGGCTGAGAAGACCCGTGTG
 GAGAGTGTGGAGCTGGTCTGCCCTCCCCACCCAATCACCAGGGCAACACCTTTGGGGGC
 CAGATCATGGCCTGGATGGAGAATGTGGCCACCATTGCAGCCAGCCGGCTCTGCCGTGCC
 CACCCTACGCTGAAGGCCATTGAAATGTTCCACTCCGAGGCCCGTCCCAGGTGCGGCAGC
 CGTCTGGTGCTCAAAGCCATCGTGAACAATGCCTTCAAACATAGCATGGAGGTGGGCGTG
 TGGCTGGAGGCCTATCGCCAGGAGGCTGAGACCCACCGGCCACATCAACAGTGCCCTTT
 ATGACCTTTGTGGTCTGGAGCGCAGATGACCAGCCCCAGTTGCTGCCCTGGATTGCGCCC
 CAGCCCGCGATGGTGAGCGGCGGTACCGAGAGGCCAGTGCCAGAAAGAAGATCCGCCTG
 GACAGGAAGTACATCGTGTCTGTAAAGCAGACAGAGGTGCCCTCCTCCCTGAAGATGCTTGTGGCC
 CCTAGCAACCAGGTGTACCTGAGCTACAATAACGTCTCCTCCTTGAAGATGCTTGTGGCC
 AAGGACAACCTGGTGTCTCCTCGGAGATCAGTCAAGTCCGCCTGTACTCTGGAGGAT
 GACAAGTTCCTCTCCTTCCACATGGAGATGGTGGTGCATGTGGATGCAGCCAGGCCCTTC
 CTGCTGTCTCGGACCTGCGTCAAGAGGCCAGAGTGGGACAAGCACTACCGGAGCGTGGAG
 CTAGTGCAGCAGGTAGACGAGGACGACGCCATCTACCACGTACCCAGCCCTGCCCTCGGA
 GGTACACAAAAGCCCCAGGACTTCGTGATCCTGGCCTCGAGGCGGAAGCCTTGTGACAAT
 GGGGACCCCTATGTCATCGCGCTGAGGTGCGTACGCTGCCACACACCGAGAGACGCCA
 GAGTACAGACGCGGAGAGACCCTCTGCTCAGGCTTCTGCCTTGGCGGAGGGGGACCAG
 CTGACCAAGTGTGCTGGGTTAGGGTCTCCCTGACTGAGCTGGTCTCGGCAAGTGGCTTC
 TATTCCTGGGGGCTCGAATCCAGGTCAAAGGGTCGAGGAGCGACGGTTGGAATGAAAAA
 CTAGCTGGAGGACACCTGAGTACTCTTAAGCAATCCCCGTGGCCAAAATCAACAGCCGA
 TTTGGATACCTTCAAGACACCTGA

- Restriction Sites:** Please inquire
- ACCN:** NM_015547
- Insert Size:** 1800 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_015547.2](#), [NP_056362.1](#)

RefSeq Size: 1921 bp

RefSeq ORF: 1824 bp

Locus ID: 26027

UniProt ID: [Q8WXI4](#)

Cytogenetics: 1p32.3

Gene Summary: 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]
Transcript Variant: This variant (1) encodes the longer isoform (BFIT1) of this protein.