

## Product datasheet for **RC222250**

### ACOT11 (NM\_015547) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACOT11 (NM_015547) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACOT11
Synonyms:	BFIT; STARD14; THEA; THEM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC222250 representing NM\_015547  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCCAGAATGTCGGAATCACCTGCGACGGGGCTTGGCCTCTGTGTTCTCCAACCGCACATCCCGGA  
 AGTCAGCCTTACGTGCGGGGAACGACAGTGCCATGGCAGACGGCGAGGGATACCGGAACCCACGGAGGT  
 GCAGATGAGCCAGCTGGTGTGCCTGCCACACCAACCAACGTGGTGAGCTGAGCGTCGGGCAGCTGCTC  
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 GGCCTTCAACTCCAGCATGGAGGTGGGCATCCAGGTGGCCTCGGAGGACCTGTGCTCTGAGAAGCAGTGG  
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 AGGGCAACACCTTTGGGGCCAGATCATGGCCTGGATGGAGAATGTGGCCACCATTGCAGCCAGCCGGCT  
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 CCACACACCGAGAGACGCCAGAGTACAGACCGGAGAGACCTCTGCTCAGGCTTCTGCCTTGGCGGA  
 GGGGGACCAGTGACCAAGTGTGCTGGGTTAGGGTCTCCCTGACTGAGCTGGTCTCGGCAAGTGGCTTC  
 TATTCCTGGGGGCTCGAATCCAGGTCAAAGGTCGCAGGAGCGACGGTTGGAATGAAAACTAGCTGGAG  
 GACACCTGAGTACTCTTAAAGCAATCCCGTGGCCAAAATCAACAGCCGATTTGGATACCTCAAGACAC  
 C

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC222250 representing NM\_015547  
 Red=Cloning site Green=Tags(s)

MIQVNGNHLRRLASVFSNRTRSRSALRAGNDSAMADGEGYRNPTEVQMSQLVLPCHTNQRGELSVGQLL  
 KWIDTTACL SAERHAGPCVTASMDIYFEHTISVGQVNIKAKVNRANSSMEVGIQVASEDLCEKQW  
 NVCKALATFVARREITKVKLKQITPRTEEEKMEHSVAAERRRMRLVYADTIKDLLANCAIQGDLESRDCS  
 RMVPAEKTRVESVELVPPHANHQNTFFGGQIMAWMENVATIAASRLCRAHPTLKAIEMFHRGPSQVGD  
 RLVLKAIVNNAFKHSMEVGVCEAYRQEAETHRRHINSFMTFVVLDADDQPQLLPWIRPQPGDGERRR  
 EASARKKIRLDRKYIVSCKQTEVPLSVPWDP SNQVYLSYNNVSSLKMLVAKDNWVLSSEISQVRLYTLED  
 DKFLSFHMEMVHVDAQAFLLLSDLRQRPEWDKHYRSVELVQQVEDDAIYHVTSPALGGHTKPDQFVI  
 LASRRKPCDNGDPYVIALRSVTLPTHRETPEYRRGETLCSGFCLWREGDQLTKCCWVRVSLTELVSASGF  
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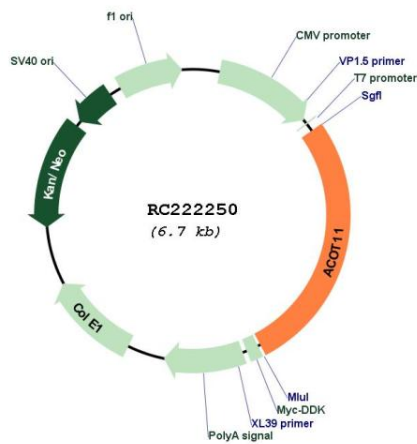
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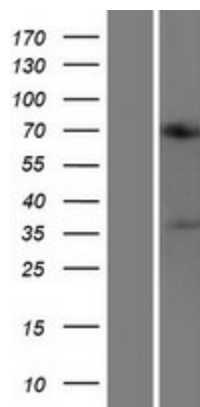
**Locus ID:** 26027  
**UniProt ID:** [Q8WXI4](#)  
**Cytogenetics:** 1p32.3  
**MW:** 68.3 kDa

**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]

### Product images:



Circular map for RC222250



Western blot validation of overexpression lysate (Cat# [LY414463]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC222250 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).