

Product datasheet for **SC110261**

ACOT7 (NM_007274) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACOT7 (NM_007274) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACOT7
Synonyms:	ACH1; ACT; BACH; CTE-II; hBACH; LACH; LACH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_007274, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCGGCCCGGGCTCATTCCGCGCGGGCCTGCCAGACACCTGCGCCCTTCTGCAGCCGCCG  
CCGCATCCGCGCCGAGCCCCAGCATGTCGGGCCAGACGTCGAGACGCCGTCGCCATCCAGATCTG  
CCGGATCATGCGGCCAGATGATGCCAACGTGGCCGCAATGTCCACGGGGGACCATCCTGAAGATGATC  
GAGGAGGCAGGCCCATCATCAGCACCCGGCATTGCAACAGCCAGAACGGGGAGCGCTGTGTGGCCGCC  
TGGCTCGTGTGAGCGCACCGACTTCTGTCTCCCATGTGCATCGGTGAGGTGGCGCATGCAGCGCGGA  
GATCACCTACACCTCAAGCACTCTGTGGAGGTGCAGGTCAACGTGATGTCGAAACATCCTCACAGGT  
GCCAAAAGCTGACCAATAAGGCCACCCTGTGGTATGTGCCCTGTGCTGAAGAATGTGGACAAGTCC  
TCGAGGTGCCTCCTGTTGTGATTCCCGCAGGAGCAGGAGGAGGGCCGGAAGCGGTATGAAGCCCA  
GAAGCTGGAGCGCATGGAGACCAAGTGGAGGAACGGGGACATCGTCCAGCCAGTCCCAACCCAGAGCCG  
AACACTGTCAGCTACAGCCAGTCCAGCTTGATCCACCTGGTGGGGCCTTCAGACTGCACCCTGCACGGCT  
TTGTGCACGGAGGTGTGACCATGAAGCTCATGGATGAGGTGCGCCGGGATCGTGGCTGCACGCCACTGCAA  
GACCAACATCGTCACAGCTTCCGTGGACGCCATTAATTTTCATGACAAGATCAGAAAAGGCTGCGTCATC  
ACCATCTCGGGACGCATGACCTTACGAGCAATAAGTCCATGGAGATCGAGGTGTTGGTGGACGCCGACC  
CTGTTGTGGACAGCTCTCAGAAGCGCTACCGGGCCGACGTGCCTTCTTACCTACGTGTCGCTGAGCCA  
GGAAGGCAGGTGCTGCTGTGCCCCAGCTGGTGGCCGAGACCGAGGACGAGAAGAAGCGCTTTGAGGAA  
GGCAAAGGGCGGTACCTGCAGATGAAGGCGAAGCGACAGGGCCACGCGGAGCCTCAGCCCTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_007274 unedited</p> <pre>GGTCAGNATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACGAGGCAGCCGCC GCCGCATCCGCCCGCCGACGCCCCAGCATGTGGGCCAGACGTGAGACGCCGTCCGCC ATCCAGATCTGCCGGATCATGCGGCCAGATGATGCCAACGTGGCCGCAATGCCACGGG GGGACCATCTGAAGATGATCGAGGAGGCAGGCCCATCATCAGCACCCGGCATTGCAAC AGCCGAACCGGGAGCGCTGTGTGGCCGCCCTGGCTCGTGTGAGCGCACCGACTTCCTG TCTCCCATGTGCATCGGTGAGGTGGCGCATGTCAGCGCGGAGATCACCTACACCTCAAAG CACTCTGTGGAGGTGACAGTCAACGTGATGTCCGAAAACATCCTCACAGGTGCCAAAAAG CTGACCAATAAGGCCACCTGTGGTATGTGCCCTGTGCGTGAAGAATGTGGACAAGGTC CTCGAGGTGCCTCCTGTTGTGATTCCCGGCAGGAGCAGGAGGAGGGCCGGAAGCGG TATGAAGCCAGAAGCTGGAGCGCATGGAGACCAAGTGGAGGAACGGNGACATCGTCCAG CCAGTCTCAACCCAGAGCCGAACACTGTCAGTACAGCCAGTCCAGCTTGATCCACCTG GTGGGGCCTTCAGACTGCACCCTGCACGGCTNTGTGCACGGAGGTGTACCATGAAGCTC ATGGATGANGTCGCCGNATCGTGGCTGCACGCCACTGCAAGACCAACATCGTCACAGCT TCCGTGGACGCCATTNAATTTTTCATGACAGATCAGAAAAGGCTGCGTCATCACCATCTCG GGACGCATGACCTTACGAGNNCATAGTCCATGGAGNATCGAAGGTTGGTGGGACGCCG ACCCTGNTGTGGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_007274 unedited</p> <pre>TATGGACGCGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTCCAGCCAAGCAGCAGTTTTATTAGGGGGCGGGGTTTTTCCCA TACCCTACAGGGGCTCGGAAGCATTCCCGAGGGTTTTTGCCTAACCCCTCCCGGGGCTG GGGACAACACTGGGTACCATTGATACTGGAATGATATAAATAAACCTTTGGGGGTAGGT TTGAGGAAAAAGTACAGTTAACACTGGGATACAAAACTTAAACAACACCAGCTTTA AATGGGAATTGGGTTTTTGGCCAAGGGGGAACTTTTAAGGGACTGGACACTGGGCCCGT TGCCATGGTACTCGAGGCACCAGGGGCAGGAGGAGGGAGTTTAGGGCTGAGGCTCCGGG GGGCCCTGTCGTTTCGCCTTAATTTGCAGGTACCGCCCTTTGCCTTCTAAAAGCGCTTT TTTTCTGCTCGGGTCTCGGGCACCAGTTGGGGCACAGGCAGGAACCTGCCTTCTGGCTA AACGACTTATAGGTGAAAAAGGCACTGGCGGCCCGGTACCGCTTTTGAAGCTGTCCACA ACAGGTGGGGGTCCACCAACACCTCGATCTCCATGGACTTATTGCTCGGGAAGGTATG CGTCCCGAGATGGTATGACGCACCCCTTTCTGATCTTGAATGAAAATTAATGGCGTCC CAGAAAACCTGTGACCATGTTGGTCTTGATGGCGGGCAACCACGATCCCGGGGACCTTAT AATGAGCTTGATGTAACCCCTCCGGCCAAAGCCGGCAGGGGCAGTCTAAGGCCACCAGG GGATCAACCGGACTGGCTAACTGACATGTTGCGTTTGGGTTGGGACTGTTGGACAAGNCC CCTCCCACTGGGCCATGCCTCCATTTGGGTTAAACCCGTTCCGCCCTCCTCCGGTCTG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_007274
Insert Size:	1500 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).
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:	<ol style="list-style-type: none">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_007274.2 , NP_009205.2
RefSeq Size:	1814 bp
RefSeq ORF:	1017 bp
Locus ID:	11332
UniProt ID:	O00154
Cytogenetics:	1p36.31
Domains:	4HBT
Protein Pathways:	Biosynthesis of unsaturated fatty acids
Gene Summary:	<p>This gene encodes a member of the acyl coenzyme family. The encoded protein hydrolyzes the CoA thioester of palmitoyl-CoA and other long-chain fatty acids. Decreased expression of this gene may be associated with mesial temporal lobe epilepsy. Alternatively spliced transcript variants encoding distinct isoforms with different subcellular locations have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (hBACHa) differs in the 5' UTR and 5' coding region, compared to variant hBACHb. It encodes isoform hBACHa that has a shorter and distinct N-terminus lacking a mitochondrial targeting sequence, compared to isoform hBACHb.</p>