

Product datasheet for **SC307387**

ACOT7 (NM_181864) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACOT7 (NM_181864) Human Untagged Clone
Tag: Tag Free
Symbol: ACOT7
Synonyms: ACH1; ACT; BACH; CTE-II; hBACH; LACH; LACH1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_181864 edited
 ATGAAGCTGCTTGCCAGGGCTCTCCGGCTCTGTGAGTTTGGGAGGCAGGCATCTCCAGG
 AGGCTGGTGGCTGGCCAGGGATGTGTGGGCCCCGGCGAGGGTGTGCGCTCCCGTCCAG
 GTGGTTGGGCCAGGGCTGATCTCCACCCTGTGGAGCCTGCATTACTGGAAGGATCATG
 CGGCCAGATGATGCCAACGTGGCCGGCAATGTCCACGGGGGACCATCCTGAAGATGATC
 GAGGAGGCAGGCCATCATCAGCACCCGGCATTGCAACAGCCAGAACGGGGAGCGCTGT
 GTGGCCGCCCTGGCTCGTGTGCGAGCGCACCGACTTCTGTCTCCCATGTGCATCGGTGAG
 GTGGCGCATGTCAGCGCGGAGATCACCTACACCTCAAGCACTCTGTGGAGGTGCAGGTC
 AACGTGATGTCCGAAAACATCCTCACAGGTGCCAAAAGCTGACCAATAAGGCCACCCTG
 TGGTATGTGCCCTGTGCTGAAGAATGTGACAAGGTCTCGAGGTGCCTCCTGTTGTG
 TATTCGGCAGGAGCAGGAGGAGGGCCGGAAGCGGTATGAAGCCCAGAAGCTGGAG
 CGCATGGAGACCAAGTGGAGGAACGGGGACATCGTCCAGCCAGTCTCAACCCAGAGCCG
 AACACTGTCAGCTACAGCCAGTCCAGCTTGATCCACCTGGTGGGGCCTTACAGACTGCACC
 CTGCACGGCTTTGTGCACGGAGGTGTGACCATGAAGCTCATGGATGAGGTGCGCCGGGATC
 GTGGCTGCACGCCACTGCAAGACCAACATCGTCCAGCTTCCGTGGACGCCATTAATTTT
 CATGACAAGATCAGAAAAGGCTGCGTCAACCATCTCGGGACGCATGACCTTACAGAGC
 AATAAGTCCATGGAGATCGAGGTGTTGGTGGACGCCACCCTGTTGTGGACAGCTCTCAG
 AAGCGTACCGGGCCGCCAGTGCCTTCTCACCTACGTGTGCTGAGCCAGGAAGGCAGG
 TCGCTGCCTGTGCCCCAGCTGGTGCCCGAGACCGAGGACGAGAAGAAGCGCTTTGAGGAA
 GGCAAAGGGCGGTACCTGCAGATGAAGGCGAAGCGACAGGGCCACGCGGAGCCTCAGCCC
 TAGACTCCCTCCTGCCACTGGTGCCTCGAGTAGCCATGGCAACGGGCCAGTGTCCA
 GTCACCTAGAAGTTCCCCCTTGGCCAAAACCAATTACATTGAGAGCTGGTGTGTC
 TGAAGTTTTCGTATCACAGTGTTAACCTGTACTCTCTCCTGCAAACCTACACACCAAAGC
 TTTATTTATATCATTCCAGTATCAATGCTACACAGTGTGTCCTCCGAGCGCCGGGAGGCGT
 TGGGCAGAAACCCTCGGGAATGCTTCCGAGCACGCTGTAGGGTATGGGAAGAACCAGCA
 CCACTAATAAAGCTGCTGCTTGGCTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_181864
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).
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:	<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_181864.2 , NP_863654.1
RefSeq Size:	1634 bp
RefSeq ORF:	1143 bp
Locus ID:	11332
UniProt ID:	O00154
Cytogenetics:	1p36.31
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 (hBACHb) encodes the longest isoform (hBACHb), which may be targetted to the mitochondria.</p>