

Product datasheet for **SC307388**

ACOT7 (NM_181865) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACOT7 (NM_181865) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACOT7
Synonyms:	ACH1; ACT; BACH; CTE-II; hBACH; LACH; LACH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307388 representing NM_181865. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCCTGCTTCGGAGAAGCTTGTCACTAAACGTCCTCAGAAAGGAAGTCGACAGGGCCTGTTTTGGG
GAGAAGGCCAAACAGATCATGCGGCCAGATGATGCCAACGTGGCCGCAATGTCCACGGGGGACCATC
CTGAAGATGATCGAGGAGGCAGGCGCCATCATCAGCACCCGGCATTGCAACAGCCAGAACGGGGAGCGC
TGTGTGGCCGCCCTGGCTCGTGTGAGCGCACCGACTTCTGTCTCCCATGTGCATCGGTGAGGTGGCG
CATGTGACGCGGAGATCACCTACACCTCCAAGCACTCTGTGGAGGTGCAGGTCAACGTGATGTCCGAA
AACATCCTCACAGGTGCCAAAAAGCTGACCAATAAGGCCACCCTGTGGTATGTGCCCTGTGCTGAAG
AATGTGGACAAGGTCCTCGAGGTGCCTCCTGTTGTGTATTCCCGCAGGAGCAGGAGGAGGGGCCGG
AAGCGGTATGAAGCCAGAAAGCTGGAGCGCATGGAGACCAAGTGGAGGAACGGGGACATCGTCCAGCCA
GTCCTCAACCCAGAGCCGAACACTGTGACGTACAGCCAGTCCAGCTTGTCCACCTGGTGGGGCCTTCA
GACTGCACCCGTCACGGCTTTGTGACGGAGGTGTGACCATGAAGCTCATGGATGAGGTGCGCCGGGATC
GTGGCTGCACGCCACTGCAAGACCAACATCGTCACAGCTTCCGTGGACGCCATTAATTTTCATGACAAG
ATCAGAAAAGGCTGCGTCATCACCATCTCGGGACGCATGACCTTACAGAGCAATAAGTCCATGGAGATC
GAGGTGTTGGTGGACGCCGACCCTGTTGTGGACAGCTCTCAGAAGCGCTACCGGGCCGCCAGTGCCTTC
TTCACCTACGTGTCGCTGAGCCAGGAAGGCAGGTGCTGCCTGTGCCCCAGCTGGTGCCCGAGACCGAG
GACGAGAAGAAGCGCTTTGAGGAAGGCAAGGGCGGTACCTGCAGATGAAGGCCAAGCGACAGGGCCAC
GCGGAGCCTCAGCCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



[View online »](#)

ACCN:	NM_181865
Insert Size:	1053 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:	<u>NM_181865.2</u>
RefSeq Size:	1439 bp
RefSeq ORF:	1053 bp
Locus ID:	11332
UniProt ID:	<u>O00154</u>
Cytogenetics:	1p36.31
Protein Pathways:	Biosynthesis of unsaturated fatty acids
MW:	39 kDa
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 (hBACHc) differs in the 5' UTR and 5' coding region, compared to variant hBACHb. It encodes isoform hBACHc that has a shorter and distinct N-terminus, compared to isoform hBACHb, and may also be targetted to the mitochondria.</p>