

Product datasheet for **SC302750**

Acyl CoA Thioesterase 9 (ACOT9) (NM_001033583) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acyl CoA Thioesterase 9 (ACOT9) (NM_001033583) Human Untagged Clone
Tag:	Tag Free
Symbol:	Acyl CoA Thioesterase 9
Synonyms:	ACATE2; CGI-16; MT-ACT48; MTACT48
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001033583, the custom clone sequence may differ by one or more nucleotides ATGAGGCGGGCAGCACTGCGGCTTTGTGCCTTGGGCAAAGGGCAGCTTACTCCTGGAAGA GGACTGACTCAAGGACCCAGAACCCCAAGAAACAGGGAATCTTCCACATTCATGAAGTT CGAGATAAGTTGCGGGAGATAGTAGGAGCATCCACAACTGGAGAGACCATGTGAAGGCA ATGGAAGAAAGGAAATTACTTCATAGTTTCTTGGCTAAATCACAGGATGGACTGCCTCCT AGGAGAATGAAGGACAGTTATATTGAAGTTCTCTTGCCTTTGGGCAGTGAGCCTGAATTA CGAGAGAAATATTTGACTGTTCAAAACACCGTAAGATTTGGCAGGATTCTTGAGGATCTT GACAGCTTGGGAGTTCTTATTTGTTACATGCACAACAAAATCCACTCCGCCAAGATGTCT CCTTTATCGATAGTTACAGCCCTGGTGGATAAGATTGATATGTGTGAAGAAGACTTGAGC CCAGAACAGGACATTAAGTTCAGTGGCCATGTTAGCTGGGTGCGGAAGACATCCATGGAA GTGAAGATGCAAAATGTTCCAGTTACATGGTGATGAATTTTGCCTGTTTTGGATGCAACA TTTGTAATGGTGGCTCGTGATTCTGAAAATAAAGGGCCGGCATTGTAAATCCACTCATC CCTGAAAGCCCAGAGGAAGAGGAGCTCTTAGACAAGGGGAATTGAACAAGGGGAGAAGA ATTGCCTTCAGCTCCACGTCGTTACTGAAAATGGCCCCAGCGCTGAGGAGAGGACCACC ATACATGAGATGTTTTCTCAGCACACTGGATCCAAGACTATAAGTTTTCGGAGTCGAGTT TTACCCCTAATGCAGTGTGGATGGAGAATTCAAAAGTGAAGAGTTTGGAAATTTGCCAC CCTCAGGAGCGGAACATTTTCAATCGGATCTTTGGTGGTTTCCTTATGAGGAAGGCATAT GAACTTGCCTGGGCTACTGCTTGTAGCTTTGGTGGTTCTCGACCGTTTGGTAGCAGTA GATGACATCATGTTTCAGAAACCTGTTGAGGTTGGCTCATTGCTCTTTCTTTCTCACAG GTATGCTTTACTCAGAATAATTATATTCAAGTCAGAGTACACAGTGAAGTGGCCTCCCTG CAGGAGAAGCAGCATACAACCAATGTCTTTTCATTTACGTTTCATGTCGGAAGAAAGAA GTGCCATTGGTTTTCCAAAAACATATGGAGAGTCCATGTTGACTTAGATGGGCAGCGG CATTTCAACTCCATGAGTGGCCAGCGACCTTGAGAAAGGACTACCTTGTGGAGCCCTAA
Restriction Sites:	Please inquire
ACCN:	NM_001033583



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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_001033583.2</u> , <u>NP_001028755.2</u>
RefSeq Size:	1700 bp
RefSeq ORF:	1320 bp
Locus ID:	23597
UniProt ID:	<u>Q9Y305</u>
Cytogenetics:	Xp22.11
Gene Summary:	<p>The protein encoded by this gene is a mitochondrial acyl-CoA thioesterase of unknown function. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>