

Product datasheet for **SC319205**

ACAD9 (NM_014049) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACAD9 (NM_014049) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACAD9
Synonyms:	MC1DN20; NPD002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014049.3
 AGTAACGTCATCAGACGTGTGTGCCCTGCGGCGCTAAGAAGGGGAGACTGAGGCTGAGG
 CTGGGGAACATCGGGCAGCATGAGCGGCTGCGGGCTCTTCTGCGCACCACGGCTGCGGC
 TCGTGCCCTGCCGGGTCTGGTGGTCTCTACCGGAACCGGCGGCTACTGCGCACCAGCCC
 GCCTGTACGAGCTTTCGCCAAGAGCTTTTCTAGGCAAAATCAAGAAGAAAGAGTTTT
 CCCATTTCCAGAAGTTAGCCAAGATGAACCTAATGAAATCAATCAGTTCTTGGGACCCGT
 GGAAAAATTTCTCACTGAAGAGGTGGACTCCCGAAAAATTGACCAGGAAGGGAAAAATCCC
 AGATGAAACTTTGGAGAAATTGAAGAGCCTAGGGCTTTTTGGGCTGCAAGTCCCAGAAGA
 ATATGGTGGCCTGGGCTTCTCCAACACCATGTA CTACGACTAGGGGAGATCATCAGCAT
 GGATGGTCCATCACTGTGACCCTGGCAGCGCACCAGGCTATTGGCTCAAGGGGATCAT
 CTTGGCTGGCACTGAGGAGCAGAAAGCCAAATACTTGCCTAAACTGGCGTCCGGGGAGCA
 CATTGCAGCCTTCTGCCTCAGGAGCCAGCCAGTGGGAGCGATGCAGCCTCAATCCGGAG
 CAGAGCCACACTAAGTGAAGACAAGAAGCACTACATCCTCAATGGCTCCAAGGTCTGGAT
 TACTAATGGAGGACTGGCCAATATTTTTACTGTGTTTGCAAAGACTGAGGTCGTTGATTC
 TGATGGATCAGTGAAGACAAAATCACAGCATTATAGTAGAAAGAGACTTTGGTGGAGT
 CACTAATGGGAAACCCGAAGATAAATTAGGCATTGCGGGCTCCAACACTTGTGAAGTCCA
 TTTTGA AACACCAAGATACCTGTGAAAAACATCCTTGGAGAGGTGCGGAGATGGGTTTAA
 GGTGGCCATGAACATCCTCAACAGCGGCGGTTGAGCATGGGCGAGCGTCGTGGCTGGGCT
 GCTCAAGAGATTGATTGAAATGACTGCTGAGTACGCTGCACAAGGAAACAGTTTAAACA
 GAGGCTCAGTGAATTTGGATTGATTGAGGAGAAATTTGCACTGATGGCTCAGAAGGCTTA
 CGTCATGGAGAGTATGACCTACCTCACAGCAGGGATGCTGGACCAACCTGGCTTTCCCGA
 CTGCTCCATCGAGGCAGCCATGGTGAAGGTGTTGAGCTCCGAGGCCGCTGGCAGTGTGT
 GAGTGAAGCGCTGCAGATCCTCGGGGGCTTGGGCTACACAAGGGACTATCCGTACGAGCG
 CATACTGCGTGACACCCGCATCCTCATCTTGGAGGAAACCAATGAGATTCTCCGGAT
 GTACATCGCCCTGACGGGTCTGCAGCATGCCGGCCGATCCTGACTACCAGGATCCATGA
 GCTTAAACAGGCCAAAGTGAACAGTCAATGGATACCGTTGGCCGGAGGCTTCCGGGACTC
 CCTGGGCCGAACGTGGACCTGGGGCTGACAGGCAACCATGGAGTTGTGCACCCTAGTCT
 TGCGGACAGTGCCAACAAGTTTGGAGGAAACACCTACTGCTTCCGGCCGACCGTGGAGAC
 ACTGCTGCTCCGCTTTGGCAAGACCATCATGGAGGAGCAGCTGGTACTGAAGCGGGTGGC
 CAACATCCTCATCAACCTGTATGGCATGACGGCCGTGCTGTGCGGGCCAGCCGCTCCAT
 CCGCATTGGGCTCCGCAACCACGACCACGAGGTTCTTGGCCAACACCTTCTGCGTGGGA
 AGCTTACTTGAGAATCTTTCAGCCTCTCTCAGCTGGACAAGTATGCTCCAGAAAACCT
 AGATGAGCAGATTAAGAAAGTGTCCCAGCAGATCCTTGAGAAGCGAGCCTATATCTGTGC
 CCACCCTCTGGACAGGACATGCTGAGGCAGGGGACAGTGTCCCCTGCTACCGCCCGCCCC
 TACCCATGGCCCGTTGCTGGATGACTGTTACTCTTTTTTTCAGAAGGTGTTGGGATTATCA
 CAGGTTAAGCCTTTTGTCCCGCTGTCACCTGAAGGGTGTGCGCTGGCCTGGGAGAGC
 CTCTTCCAGGTTTTGACCTGCAGGCAGTGTCTTAACAGGACCATCACAGCTTCTGAAC
 TGAGCCGGAGAGAGAGAATGGAATTGCTGACCCCTGGAAGTGGCGGTATTCTGGTCATT
 GAGGAGACACCATAGTGGAAACTGGGGCTTATGCTGCTGCCTCCAGGGTGTGAGGTGGGT
 GGGGACCTGTGTGAGGTGGATAGCCATTTCTGCTCAACCACACATTCTTAAGAAACA
 GCTTGAAGCTCTGTCTGGTCAATTCATTTAACTAGAAGCAGAGGCACTTAAAACATGT
 ACCAGGAACCATTTAACAAAGAATATAAAATGTACAATCTGTGTACTGTTAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014049

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_014049.3 , NP_054768.2
RefSeq Size:	2485 bp
RefSeq ORF:	1866 bp
Locus ID:	28976
UniProt ID:	Q9H845
Cytogenetics:	3q21.3
Domains:	Acyl-CoA_dh, Acyl-CoA_dh_M, Acyl-CoA_dh_N
Gene Summary:	<p>This gene encodes a member of the acyl-CoA dehydrogenase family. Members of this family of proteins localize to the mitochondria and catalyze the rate-limiting step in the beta-oxidation of fatty acyl-CoA. The encoded protein is specifically active toward palmitoyl-CoA and long-chain unsaturated substrates. Mutations in this gene cause acyl-CoA dehydrogenase family member type 9 deficiency. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]</p> <p>Transcript Variant: This variant (1) encodes the functional protein.</p>