

Product datasheet for **RR204129**

Acadsb (NM_013084) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acadsb (NM_013084) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acadsb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR204129 representing NM_013084 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGTCTGCCTTCCAGCTGTGGCGTGCGGGCGGGCTGCTAAGAAGAACTTCTGACTCACTCGT
CTTCTGGAAAATCCCTCCTCGTGTCTCAAATCCTCACAAACAGAGCTCTACTCAGTGAACAAATAA
TGCCCTATGTTTCGCACCTCTGCAGACATTTACTGATGAGGATATTATGATGCAGAAGGCAGTCAAAAA
TTTGCACAGGAACAAATTGCTCCTTTGGTTTCAACTATGGATGAAAATTCAAAAATGGAGAAACAGCTGA
TACAAGGATTATCCAACAAGGGATGATGGGCATTGAAGTTGAAGCAAAATATGGAGGAACAGACCTC
CTTCTGTGCTCTGTCTGGTGATAGAGAACTAGCTAAGGTGGATGCGTCCGTGGCTCTCTATGTGAC
ATCCAGAACACAGTCATTAACAACTGTTTAGGAAGCACGGGACAGAAGAACAGAAGGCCACCTATTTGC
CAAAGCTGGTTACGGAATAATTAGGGAGTTTTTGCCTCTCTGAAGCTGGAGCTGGTAGCGACTCTTTTGC
TTTGAAAACAAGAGCTGATAAAAGTGAAATTAACGTCATCAATGGATCGAAGATGTGGATCAGCAAT
GCTGAACATGCAGAGCTTCTCTGGTTTTTCAAATAGGGAGACGAGAAAACAAATGGGGATCAGAGC
GCTTCTTAGTAGACCGAGATACAGAAGTTTTCAAATAGGGAGACGAGAAAACAAATGGGGATCAGAGC
TTCTTCCACCTGTCAGTTAACATTTGAAAATGTCAAGGTTCCAGAAACCAGTGTGGGGAAAAATTGGG
CACGGTTATAAATATGCCATAGGAAGTCTTAACGAAGGTAGAATTGGAATTGCTGCCAGATGCTAGGAC
TGCCCAAGGATGTTTTGACTACACTATTCATACATAAAAGAAAGGATGCAAGTTCGGCAACGAATATT
TGATTTTCAGGGGCTCCAAACCAAGTGCTCACGTGGCCACCCAGCTGGAAGCTGCGCGTTGCTGACG
TACAACGCTGCTAGGCTGTAGAAGCCGGGAGGCCATTTATAAAGAAGCATCTATGGCCAAGTATTATG
CATCAGAGGTCGCTGGGCTGACAACAAGCAAGTGCATCGAGTGGATGGGAGGGTTCGGCTACACCAAGA
TTACCTGTGGAGAAATCTTCCGCGATGCGAAGATCGGTACAATATATGAAGGAACTTCCAACATCCAG
CTGAACACCATTGCAAAGCACATCGATGCAGAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204129 representing NM_013084
 Red=Cloning site Green=Tags(s)

MAVSAFQLWRAGLLRRNFLTHSSSWKIPPRVLKSSQPEALLSVTNNALCFAPLQTFDDEDIMMQKAVKK
 FAQEQIAPLVSTMDENSKMEKSVIQGLFQQGMMGIEVEAKYGGTEASF LCSVLVIEELAKVDASVALLCD
 IQNTVINLFRKHGTTEEQKATYLPKLVTEKLGFSFCLSEAGAGSDSFALKTRADKSGNYYVINGSKMWISN
 AEHAELFLVFANVDPSPGYRGITCFLVDRDTEGFQIGRRENKMGIRASSTCQLTFENVKVPETSVLKGIG
 HGKYAIGSLNEGRIGIAAQLGLAQGCFDYTIPIYIKERMQFGKRIFDFQGLQHVAHVATQLEAARLLT
 YNAARLVEAGRPFIKEASMAKYAYASEVAGLTTSKCIEMGGVGYTKDYPVEKFFRDAKIGTIYEGT SNIQ
 LNTIAKHIDA EY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3172_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013084

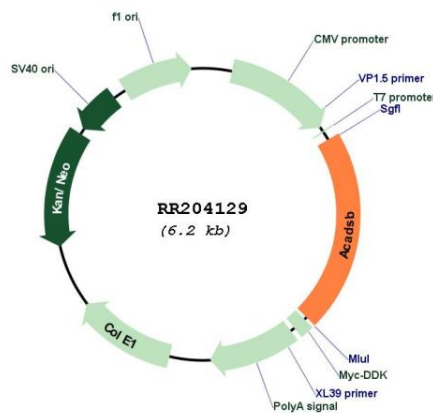
ORF Size: 1296 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_013084.2 , NP_037216.1
RefSeq Size:	1321 bp
RefSeq ORF:	1299 bp
Locus ID:	25618
UniProt ID:	P70584
Cytogenetics:	1q41
MW:	47.8 kDa
Gene Summary:	catalyzes the alpha, beta-dehydrogenation of valproyl-CoA and other acyl-CoA esters in fatty acid metabolism [RGD, Feb 2006]

Product images:



Circular map for RR204129