

Product datasheet for **RR211335**

Acads (NM_022512) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acads (NM_022512) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Acads
Synonyms: Scad
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211335 representing NM_022512
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCATGGCCGCTGCGTTGCTCGCCCGGCCGGTGGCTCTCTCGGCAGAGCTCTCCGCGCTCGAGATT
GGCGAAGATTACATACTGTTTACCAGTCTGTGGAACCTACCTGAGACACATCAGATGTTGCCCGAGACATG
CCGGGACTTTGCTGAGAAGGAGCTGGTCCCATCGCTGCCAGCTGGACAAGGAACATCTTCCCCACA
TCGCAGGTGAAGAAGATGGGGGAGCTCGGGCTGCTGGCCATGGATGTGCCAGAGGAGCTGAGTGGTGCTG
GCCTGGATTACCTGGCCTACTCGATCGCCCTGGAGGAGATCAGCCGTGGCTGCGCCTCCACCGGAGTGAT
CATGAGTGTCAACAACCTCTCTACTTTGGGACCCATCCTGAAGTTCGGATCCTCACAGCAGAAGCAGCAG
TGGATCACCCCTTTCACCAACGGTGACAAAATCGGCTGTTTTGCCTCAGTGAGCCAGGCAATGGCAGTG
ACGCGGGGGCCGCTTCCACCACTGCCCGGAAGAGGGTGACTCCTGGGTCTCAACGGCACCAAAGCCTG
GATCACCAACTCCTGGGAGGCTTCTGCCACGGTGGTGTGCTAGCACCGACAGGTCCCGGCAGAACAAAG
GGTATCAGCGCTTCTCTGGTTCCCATGCCAACTCCTGGGCTTACGCTGGGCAAAAAGGAAGACAAGCTGG
GCATCCGGGCTCATCTACAGTAACTCATCTTTGAGGACTGTCGCATCCCCAAGGAGAACCTGCTCGG
CGAGCCTGGGATGGGCTTCAAGATAGCCATGCAAACCCTGGACATGGGCCGATTGGCATCGCCTCCAG
GCCTGGGATTGCCAGGCCTCCCTGGATTGTGCCGTGAAGTACGCCGAGAACCCCATGCCTTTGGGG
CACCCCTCACAAAGCTCCAAAACATCCAGTTCAAGCTGGCAGACATGGCCCTGGCCCTGGAGAGTGCCCG
CCTGCTGACCTGGCGCGCCGCAATGTTGAAGGACAATAAGAAGCCTTTCACCAAGGAGTCGGCCATGGCC
AAGCTGGTGCATCAGAGGCTGCTACTGCCATTAGCCACCAGGCCATCCAGATCCTGGCGGCATGGGGT
ACGTGACAGAGATGCCAGCCGAGCGCTACTACCGAGATGCCCGCATCACTGAGATCTATGAAGGTACCAG
CGAAATCCAGAGACTGGTATTGCCGGCATCTGCTCCGGAGCTACCGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211335 representing NM_022512
 Red=Cloning site Green=Tags(s)

MAMAAALLARAGGSLGRALRARDWRRLHTVYQSVLPETHQMLRQTCRDFAEKELVPIAAQLDKEHLFPT
 SQVKKMGEGLAMDVPEELSGAGLDYLAYSIALEEISRGCSTGVIMSVNNSLYLGPILKFGSSQKQKQ
 WITPFTNGDKIGCFALSEPGNGSDAGAASTTAREEGDSWVLNGTKAWITNSWEASATVVFASDRSRQNK
 GISAFLVPMPTPGLTLGKKEDKLGIRASSTANLIFEDCRIPKENLLGEPGMGFKIAMQTLDMGRIGIASQ
 ALGIAQASLDCAVKYAENRHAFGAPLTKLQNIQFKLADMALALE SARLLTWRAAMLKDNKKPFTKESAMA
 KLAASEAATAISHQAIQILGGMGYVTEMPAERYRDARITEIYEGTSEIQRLVIAGHLLRSYRS

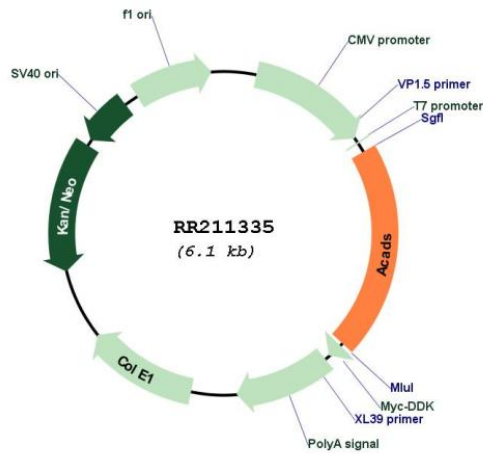
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022512

ORF Size:	1242 bp
OTI Disclaimer:	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_022512.2 , NP_071957.1
RefSeq Size:	1748 bp
RefSeq ORF:	1245 bp
Locus ID:	64304
UniProt ID:	P15651
Cytogenetics:	12q16
MW:	45 kDa
Gene Summary:	Introduces a double bond at position 2 in saturated acyl-CoAs of short chain length, i.e. less than 6 carbon atoms.[UniProtKB/Swiss-Prot Function]