

Product datasheet for **RR209431**

Acaa2 (NM_130433) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Acaa2 (NM_130433) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Acaa2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR209431 representing NM_130433
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCTGTACGAGGTGTGTTTATCGTTGCTGCGAAGCGAACCCCTTTGGAGCTTATGGGGTCTTC
TCAAGGACTTCACTGCCACTGACTTAACCTGAATTTGCTGCCAGGGCTGCCCTGTCTGCTGGCAAAGTTCC
ACCGAAACCATCGATAGTGTGCATCGTGGCAATGTCATGCAGAGCTCTCAGATGCGGCGTACCTGGCA
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CTGGTTTCCAGTCCATCGTGAGCGGATGTCAGGAAATCTGCTCGAAAGACGCTGAGGTCTTATGTGG
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GAAAATACGCAGTGGGATCAGCTTGCAATGGAGGTGGCAAGGCATCTCCCTGATCATCCAGAACACAGC
C

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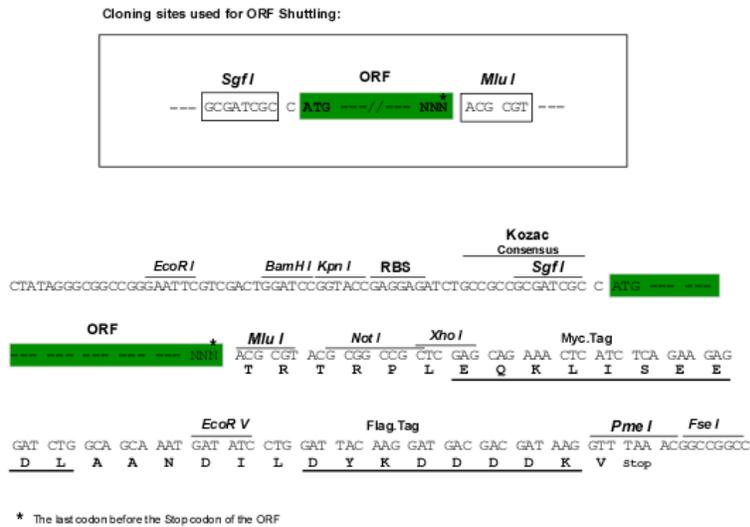
Protein Sequence: >RR209431 representing NM_130433
Red=Cloning site Green=Tags(s)

MALLRGVFIVAARKRTPFGAYGGLLKDFATDLTEFAARAAL SAGKVP PETIDSVIVGNVMQSSSDAAYLA
 RHVGLRVGVPTETGALTLNRLCGSGFQSI VSGCQE ICSKDAEVLV CCGTESMSQSPYSVRNVRFGTKFGL
 DLKLEDTLWAGLTDQHVKLPMGTAENLA AKYNI SREDCDRYALQSQRWKAANEAGYFNEEMAPIEVKT
 KKGKQTMQVDEHARPQT TLEQLQNLPPVFKKEGTVTAGNASGMSDGAGVVI IASEDAVKKHNF TPLARVV
 GYFVSGCDPAIMGIGPVPAITGALKKAGLSLKMDLIDVNEAFAPQFLAVQKSLDLP SKTNVSGGAIAL
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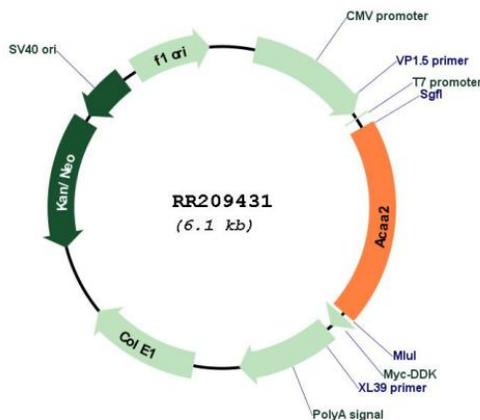
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_130433

ORF Size:	1191 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_130433.1 , NP_569117.1
RefSeq Size:	1619 bp
RefSeq ORF:	1194 bp
Locus ID:	170465
UniProt ID:	P13437
Cytogenetics:	18q12.2
MW:	41.9 kDa
Gene Summary:	mitochondrial matrix protein with acetyl-Coenzyme A acyltransferase 2 activity [RGD, Feb 2006]