

Product datasheet for **RR213218**

Acss1 (NM_001106524) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acss1 (NM_001106524) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acss1
Synonyms:	Acas2l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR213218 representing NM_001106524
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGCGCGCAGCCTCGGCAGCGGTGTGGGGCGACTGCTGCGTGGCCTGCACGGGCACCTCGGGACAAT
 CGGGGTGGTTGCTGAGCCTGTCCCGCTGGACCACCACCCGATTCCCTGGGCAGTGTTCTGCAGCAGCGCA
 GCTAGGCTCGTACCCCGCTTTGAGCGCTCAGGCAGCCAGGAGCCGCGCCCTTCTGGGGACCGCTGGCC
 CGTGACACACTAGTTTGGGACACTCCTTACCATACTGTCTGGGACTGCGACTTCAGGACGGGCAAGATCG
 GCTGGTTCCTGGGAGGCCAGTTGAATGTGTCTGTCAACTGCCTGGACCAGCACGTGCAGAAGTCTCCCGA
 CACCATAGCTTTGATTTGGGAGAGAGATGAACCTGGGACAGAAGTGAGGATCACTTACAGGGAGCTTCTG
 GAGACCACATGCCGCTGGCCAACACGCTGAAGAGGCATGGTGTGCACCGAGGGGACCGTGTGGCCATCT
 ACATGCCTGTGTCCCACTGGCTGTGGCAGCGATGCTGGCCTGTGCCAGGATTGGAGCTATCCACACAGT
 GGTTTTTGCTGGCTTTAGTGCAGAGTCTTGGCCGGGAGGATCAATGATGCCAAGTGCAAGTTGTTATC
 ACCTTCAACCAAGGACTCCGGGGAGGGCGTGTGGTGGAGCTGAAGAAAATAGTGGACGAAGCTGTGAAGA
 ACTGCCCAACAGTGCAGCATGTCCTAGTGGCTCACAGGACGGACACCAAGGTTCCCATGGGGAATCTGGA
 CATCCCCCTTGAGCAGGAGATGGCCAATGAGGCCCTGTGTGTACCCCTGAAAGCATGAACAGTGAAGAT
 ATGCTCTTATGCTCTACACGTCTGGGAGCACTGGGACACCCAAGGGACTCGTTCATACACAGGCAGGCT
 ATCTGCTGTATGCCGCCATGACGCACAAGCTCGTGTGTTGACTACCATCCAGGTGATGTCTTTGGTTGTGT
 GGCTGACATCGGTTGGATCACAGGACACAGCTATGTGGTGTATGGACCCCTCTGCAATGGAGCTACCAGC
 GTCCCTTTTGAGAGCACCCAGTTTACCCTGATGCTGGTCTGTTACTGGGAGACAGTACAGAGGCTAAAGA
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 CTCCACAAAGTGGTGGGTGATGGCAGATGTACCCTGGTGGACACTTGGTGGCAGACAGAACTGGAGGCA
 TCTGCATTGCACCACGGCCCTCGGAAGATGGGGCAGAGATCCTCCAGGCATGGCCATGAGGCCGTTTTT
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 TGTATTTCCCAAGCTTGGCCAGGCATGGCAAGGACCATCTACGGTGACCACCAGAGGTTTCGTAGATGCCT
 ACTTCAGAACGTACCCAGGTTACTACTTCACTGGAGATGGAGCTCACCGACGGAGGGTGGCTATTACCA
 GATCACAGGGCGCATGGATGATGTATCAACATCAGTGGTTCATCGCTGGGGACTGCAGAGATTGAGGAT
 GCAATGGCTGACCATCCCGCTGTCCAGAACTGCTGTGCTATTGGTACCCTCATGACATCAAAGGAGAAG
 CTGCGTTTTGCCTTCAATTGACTGAAAGATGACGTCCGTGATGCAAACGTGGTGGTAAATGAGCTCAAGT
 GGCAGTGGCCACCAAGATCGCCAAGTATGCTGTGCTGACCAGATCCTGGTGGTGAAGCGTCTCCCCAAA
 ACCAGGTCTGGGAAGGTGATGAGGAGGCTGCTGAGGAAGATCATCACCAGCAGGGGGCAGGATCTAGGGG
 ACACCACTACCCTGGAGGACCCAGTGTATCAGGAGATCATGAGTGCCTTTCGGGAGTACGAAGAGCA
 GCGGGCTGCCACCAAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213218 representing NM_001106524
 Red=Cloning site Green=Tags(s)

MAARSLGSGVGRLLRGLHGHSQSGWLLSLSRWTTTRFLGSPVAAAQLGSPALSAQAAQEPAAFWGPLA
 RDTLVWDTPYHTVWDCDFRTGKIGWFLGGQLNVSVNCLDQHVQKSPDIALIWERDEPGTEVRITYRELL
 ETTCRLANTLKRHGVRHRGDRVAIYMPVSPPLAVAAAMLACARIGAIHTVVFAGFSAESLAGRINDAKCKVVI
 TFNQLRGRVVELKKIVDEAVKNCPTVQHVLAHRTDTKVPMGNLDIPLEQEMANEAPVCTPESMNSD
 MLFMYLTSGSTGTPKGLVHTQAGYLLYAAMTHKLVFDYHPGDVFGCVADIGWITGHSYVVYGPLCNGATT
 VLFESTPVYPDAGRYWETVQRLKINQFYGAPTAVRLLKFGDAWVKYDRSSLRTLGSVGEPIINHEAW
 LHKVVGDRCTLVDTWWQTETGGICIAPRPSEDGAEILPGMAMRPFVIVPALMDEKGNVVEGGDVSGAL
 CISQAWPGMARTIYGDHQRVDAFYFRTPGYFTGDGAHRTEGGYYQITGRMDDVINISGHRLGTAEIED
 AMADHPAVPETAVIGYPHDIKGEAAFAFIVLKDDVRDANVVVNELKLAVATKIAKYAVPDQILVVKRLPK
 TRSGKVMRRLRKIITSRGQDLGDTTTLLEDP SVITEIMSAFREYEEQRAATN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001106524

ORF Size: 2046 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:**
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_001106524.1](#), [NP_001099994.1](#)

RefSeq Size: 3595 bp

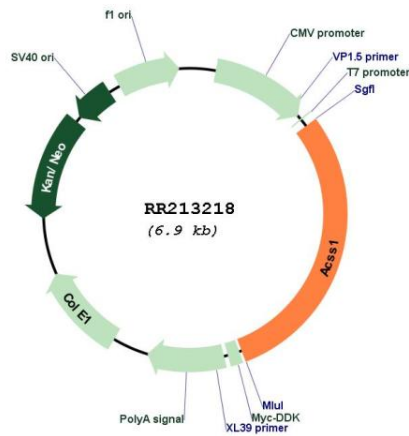
RefSeq ORF: 2049 bp

Locus ID: 296259

Cytogenetics: 3q41

MW: 74.9 kDa

Product images:



Circular map for RR213218