

Product datasheet for **MR216961**

Acss3 (NM_198636) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acss3 (NM_198636) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acss3
Synonyms:	8430416H19Rik; Gm874
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR216961 representing NM_198636
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCCATCCTGGTTGCAATGTCGCAAAGTAAACAGGCGCCGGGACGCTTGGGGCACCTCTGCCAGGAT
 CCCCTTCAGTAAGAGGAGCCGCTGTGACCCGAAGGGCTTTGGTGGCCGGGTTGGGGGCAGGGGCTGCAG
 GGCTCTGACCACCGCAGTGGTGGTGAACAAGACCCACTTCGCAGCCTCTGTGGCTGACCCCGAAAGA
 TTCTGGGGTAAAGCTGCTGAGCAGATCAGTTGGTACAAGCCCTGGACAAAACCTAGAGAGCAGATACC
 CGCCTTCCACAAGTTGGTTTGTGGAAGGGATGCTGAACATTTGTTACAATGCTATTGATCGGCACATTGA
 AAATGGCCAAGGGGATAAGATTGCTATCATCTATGACAGTCCCGTTACAGACACCAAAGCAACTATCTCC
 TATAAGGAAGTCTGGAGCAGTCTCTAAGCTGGCTGGTGTCTTGGTCAAGCAGGGTGTCAAGAAAGGCG
 ATACAGTGGTCACTATATGCCCATGATCCACAAGCAATATATACCATGCTGGCGTGTGCAAGGATAGG
 AGCAATCCACAGTCTCATATTTGGAGGATTTGCATCCAAAGAATTAAGTACGCGCATTGATCATGCGAAG
 CCTAAGGTGGTTGTACGGCATCATTTGGCATTGAACCAGGAAGGAAGGTGGAGTACATCCCACTTCTAG
 AAGAAGCTCTGAGGATAGGACAGCACAGGCCAGACAGAGTTCTCATTTACAGCCGTCCAACATGGAGAA
 AGTTCTTTGATGTCAGGTCTGATCTTGTATTGGGAAGAAGAAATGGCAAAAGCCAGTCTCATGACTGC
 GTGCCTGTTCTCTCAGAGCATCCATTGTACATTCTCTACACATCTGGAACAACTGGGCTGCCTAAGGGTG
 TGGTTAGACCCACTGGGGCTATGCTGTCATGTTGAACTGGACAATGCTTCCATATATGGACTCAAACC
 TGGAGAGGTATGGTGGGACGCTTCTGACTTAGGCTGGGTGTTGGACATTCCTATATTTGCTATGGGCCT
 CTTCTCCATGAAACACAACAGTTTTATATGAGGAAAGCCTGTGGGAACACCGGATGCTGGCGCTTATT
 TCCGTGTCTTGCAGAGCATGGAGTGGCTGCCTTGTTTACAGCACCAACTGCAATTAGAGCCATCCGTC
 ACAGGACCCTGGGGCAGCCTTGGGAAGCAGTACTCTCTGACAAGGTTCAAGACACTGTTTGTAGCTGGG
 GAAAGATGTGATGTGGAGACCCTAGAATGGTCCAAAAAAGTCTTCCGAGTTCCTGTTCTAGACCATTGGT
 GGCAAAACAGAGACTGGATCCCCATCACAGCATCATGTATTGGATTAGGTAACCCAAAACACCTCCACC
 AGGACAAGCAGGAAAATGTGTTCCAGGATACAATGGACGATACCTGCTTCATCATTCTGCAGAGTCTCTG
 ACTCCTCTGCTATGGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216961 representing NM_198636
 Red=Cloning site Green=Tags(s)

MKPSWLQCRKVTGAGTLGAPLPGSPSVRGAAVTRRALVAGFGRGCRALTTGSGGEYKTHFAASVADPER
 FWGKAAEQISWYKPWTKTLESRYPPSTSWFVEGMLNICYNAIDRHIENGQDKIAIYDSPVTDKATIS
 YKEVLEQVSKLAGVLVKQGVKGDVVIYMPMIPQAIYTMLACARIGAIHSLIFGGFASKELSTRIDHAK
 PKVVVTASFIEPGRKVEYIPLLEEALRIGQHRPDRVLIYSRPNMEKVPLMSGRDLDWEEEMAKAQSHDC
 VPVLSEHPLYILYTSGTTGLPKGVVVRPTGGYAVMLNWTMSSIYGLKPGEVWAAASDLGWVVGHSYICYGP
 LLHGNTTVLYEGKPVGTPDAGAYFRVLAEHGVAALFTAPTAIRAIRQQDPGAALGKQYSLTRFKTLFVAG
 ERCDVETLEWSKKVFRVPVLDHWWQETETGSPITASCIGLNSKTPPPGQAGKCVPGYNGRYLLHHSAESL
 TPPAMGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

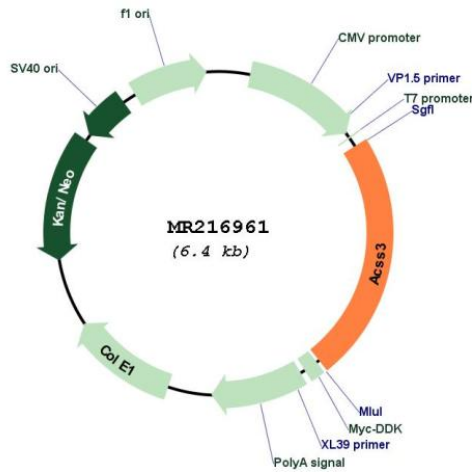
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_198636

ORF Size: 1491 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_198636.4](#)

RefSeq Size: 2490 bp

RefSeq ORF: 1494 bp

Locus ID: 380660

UniProt ID: [Q14DH7](#)

Cytogenetics: 10 D1

MW: 54.6 kDa

Gene Summary: Activates acetate so that it can be used for lipid synthesis or for energy generation.
[UniProtKB/Swiss-Prot Function]