

Product datasheet for **MG216961**

Acss3 (NM_198636) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acss3 (NM_198636) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Acss3
Synonyms:	8430416H19Rik; Gm874
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216961 representing NM_198636
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCCATCCTGGTTGCAATGTCGCAAAGTAACAGGCGCCGGGACGCTTGGGGCACCTCTGCCAGGAT
 CCCCTTCAGTAAGAGGAGCCGCTGTGACCCGAAGGGCTTTGGTGCCGGGTTTGGGGCAGGGGCTGCAG
 GGCTCTGACCACCGCAGTGGTGGTGAACAAGACCCACTTCGCAGCCTCTGTGGCTGACCCCGAAAGA
 TTCTGGGGTAAAGCTGCTGAGCAGATCAGTTGGTACAAGCCCTGGACAAAACCTAGAGAGCAGATACC
 CGCCTTCCACAAGTTGGTTTGTGGAAGGGATGCTGAACATTTGTTACAATGCTATTGATCGGCACATTGA
 AAATGGCCAAAGGGATAAGATTGCTATCATCTATGACAGTCCCGTTACAGACACCAAAGCAACTATCTCC
 TATAAGGAAGTCTGGAGCAGTCTCTAAGCTGGCTGGTGTCTTGGTCAAGCAGGTGTCAAGAAAGGCG
 ATACAGTGGTCACTATATGCCCATGATCCACAAGCAATATATACCATGCTGGCGTGTGCAAGGATAGG
 AGCAATCCACAGTCTCATATTTGGAGGATTTGCATCCAAAGAATTAAGTACGCGCATTGATCATGCGAAG
 CCTAAGGTGGTTGTTACGGCATCAATTTGGCATTGAACCAGGAAGGAAGGTGGAGTACATCCCACTTCTAG
 AAGAAGCTCTGAGGATAGGACAGCACAGGCCAGACAGAGTTCTCATTTACAGCCGTCCAAACATGGAGAA
 AGTTCTTTGATGTCAGGTCTGATCTTGGATTGGGAAGAAGAAATGGCAAAAGCCAGTCTCATGACTGC
 GTGCCTGTTCTCTCAGAGCATCCATTGTACATTCTCTACACATCTGGAACAACTGGGCTGCCTAAGGGTG
 TGGTTAGACCCACTGGGGCTATGCTGTCATGTTGAACTGGACAATGCTTCCATATATGGACTCAAACC
 TGGAGAGGTATGGTGGGACGCTTCTGACTTAGGCTGGGTGTTGGACATTCCTATATTTGCTATGGGCT
 CTTCTCCATGGAAACACAACAGTTTTATATGAGGGAAAGCCTGTGGGAACACCGGATGCTGGCGCTTATT
 TCCGTGTGCTTGCAGAGCATGGAGTGGCTGCCTTGTTTACAGCACCAACTGCAATTAGAGCCATCCGTC
 ACAGGACCTGGGGCAGCCTTGGGAAGCAGTACTCTCTGACAAGGTTCAGACACTGTTTGTAGCTGGG
 GAAAGATGTGATGTGGAGACCCTAGAATGGTCCAAAAAGTCTTCCGAGTCCCCTTCTAGACCATTGGT
 GGCAAAACAGAGACTGGATCCCCATCACAGCATCATGTATTGGATTAGGTAACCCAAAACACCTCCACC
 AGGACAAGCAGGAAAATGTGTTCCAGGATACAATGGACGATACCTGCTTCATCATTCTGCAGAGTCTCTG
 ACTCCTCTGCTATGGGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216961 representing NM_198636
 Red=Cloning site Green=Tags(s)

MKPSWLQCRKVTGAGTLGAPLPGSPSVRGAAVTRRALVAGFGRGCRALTTGSGGEYKTHFAASVADPER
 FWGKAAEQISWYKPWTKTLESRYPPSTSWFVEGMLNICYNAIDRHIENGQDKIAIYDSPVTDKATIS
 YKEVLEQVSKLAGVLVKQGVKGDVVIYMPMIPQAIYTMLACARIGAIHSLIFGGFASKELSTRIDHAK
 PKVVVTSFGEIPEGRKVEYIPLLEEALRIGQHRPDRVLIYSRPNMEKVPLMSGRDLWEEEMAKAQSHDC
 VPVLSHPLYIILYSGTTGLPKGVVRPTGGYAVMLNWTMSSIYGLKPGEVWVAASDLGWVVGHSYICYGP
 LLHGNTTVLYEGKPVGTPDAGAYFRVLAEHGVAALFTAPTAIRAIRQQDPGAALGKQYSLTRFKTLFVAG
 ERCDVETLEWSKKVFRVPVLDHWWQTETGSPITASCIGLNSKTPPPGQAGKCVPGYNGRILLHSAESL
 TPPAMGK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



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

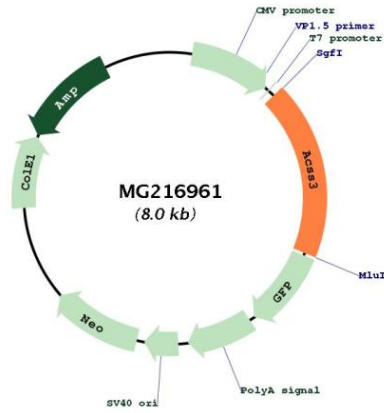
Locus ID: 380660

UniProt ID: [Q14DH7](#)

Cytogenetics: 10 D1

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

Product images:



Circular map for MG216961