

Product datasheet for **MR218432**

Acss3 (NM_001142804) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Acss3 (NM_001142804) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Acss3 |
| Synonyms: | 8430416H19Rik; Gm874 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>MR218432 representing NM_001142804
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGCCATCCTGGTTGCAATGTCGCAAAGTAACAGGCGCCGGGACGCTTGGGGCACCTCTGCCAGGAT
 CCCCTTCAGTAAGAGGAGCCGCTGTGACCCGAAGGGCTTTGGTGGCCGGGTTTGGGGCAGGGGCTGCAG
 GGCTCTGACCACCGCAGTGGTGGTGAACAAGACCCACTTCGACGCTCTGTGGCTGACCCCGAAAGA
 TTCTGGGGTAAAGCTGCTGAGCAGATCAGTTGGTACAAGCCCTGGACAAAACCTAGAGAGCAGATACC
 CGCCTTCCACAAGTTGGTTTGTGGAAGGGATGCTGAACATTTGTTACAATGCTATTGATCGGCACATTGA
 AAATGGCCAAGGGGATAAGATTGCTATCATCTATGACAGTCCCGTTACAGACACCAAAGCAACTATCTCC
 TATAAGGAAGTCTGGAGCAGGTCTCTAAGCTGGCTGGTGTCTTGGTCAAGCAGGGTGTCAAGAAAGGCG
 ATACAGTGGTCACTATATGCCCATGATCCACAAGCAATATATACCATGCTGGCGTGTGCAAGGATAGG
 AGCAATCCACAGTCTCATATTTGGAGGATTTGCATCCAAAGAATTAAGTACGCGCATTGATCATGCGAAG
 CCTAAGGTGGTTGTACGGCATCAATTTGGCATTGAACCAGGAAGGAAGGTGGAGTACATCCCACTTCTAG
 AAGAAGCTCTGAGGATAGGACAGCACAGGCCAGACAGATTCTCATTACAGCCGTCCAAACATGGAGAA
 AGTTCCCTTTGATGTCAGGTGCTGATCTTGGATTGGGAAGAAGAAATGGCAAAAGCCAGTCTCATGACTGC
 GTGCCTGTTCTCTCAGAGCATCCATTGTACATTCTCTACACATCTGGAACAACCTGGGCTGCCTAAGGGTG
 TGGTTAGACCCACTGGGGCTATGCTGTCATGTTGAACTGGACAATGCTTCCATATATGGACTCAAACC
 TGGAGAGGTATGGTGGGAGCTTCTGACTTAGGCTGGGTGTTGGACATTCCTATATTTGCTATGGGCTT
 CTTCTCCATGAAACACAACAGTTTTATATGAGGGAAAGCCTGTGGGAACACCGGATGCTGGCGCTTATT
 TCCGTGTGCTTGCAGAGCATGGAGTGGCTGCCTTGTTTACAGCACCAACTGCAATTAGAGCCATCCGTCA
 ACAGGACCCCTGGGCAGCCTTGGGAAGCAGTACTCTCTGACAAGGTTCAAGACACTGTTTGTAGCTGGG
 GAAAGATGTGATGTGGAGACCCTAGAATGGTCCAAAAAAGTCTTCCGAGTTCCTGTTCTAGACCATTGGT
 GGCAAAACAGAGACTGGATCCCCATCACAGCATCATGTATTGGATTAGGTAACCTCCAAAACACCTCCACC
 AGGACAAGCAGGAAAATGTGTTCCAGGATACAATGTTATGATTTTGGATGACAACATGCAAAAACCTGAAG
 GCTAGAAGCTTAGGAAACATTGTGGTAAAGTTGCCATTACCACCTGGGGCTTTTTCAGGACTCTGGAAGA
 ACCAGGAAGCATTCAAGCATTATACTTTGAGAAATTTCTGGATACTATGACACTATGGATGCCGGCTA
 CATGGATGAGGAAGGCTACCTATATGTGATGTCCCGAGTGGATGATGTCATAAACGTTGCAGGCCACAGG
 ATTTCTGCAGGCGCTATTGAGGAGTCAGTCTCTCACACGGCACTGTGGCTGACTGCGCTGTGGTTGGCA
 AGGAAGACCCCTTGAAAGGTCAGTCCCCTTAGCACTCTGCGTGTGAAGAAAGACGTAATGCATCAGA
 AGAAACAAGTTTTGGAAGAGATTGTGAAACATGTTAGGCAGAGCATTGGCCCTGTGGCTGCTTTTCGAAAT
 GCGGTTTTTCGTCAAAACAGTTACCCAAAACAGGCTGGCAAAATTCACGGTCTACACTGTCTGCCCTGG
 TTAATGGCAAGCCTTAAAGGTGACCCCTACGATTGAGGACCCAGCATTTTTGGTCACATTGAAGAAGT
 GCTGAAGCAGGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR218432 representing NM_001142804
 Red=Cloning site Green=Tags(s)

MKPSWLQCRKVTGAGTLGAPLPGSPSVRGA AVTRRALVAGFGGRGCRALTTGSGGEYKTHFAASVADPER
 FWGKAAEQISWYKPWTKTLESRYPSTSWFVEGMLNICYNAIDRHIENGQDKIAIYDSPVTDKATIS
 YKEVLEQVSKLAGVLVKQGVKKGDTVVIYMPMIPQAIYTMLACARIGAIHSLIFGGFASKELSTRIDHAK
 PKVVVTASFGIEPGRKVEYIPLLEEALRIGQHRPDRVLIYSRPNMEKVPMLSGRDLDWEEEMAKAQSHDC
 VPVLSEHPLYILYTS GTTGLPKGVVRPTGGYAVMLNWTMSSIYGLKPGEVWMAASDLGWVVGHSYICYGP
 LLHGNTTVLYEGKPVGTPDAGAYFRVLAEHGVAALFTAPT AIRAIRQQDPGAALGKQYSLTRFKTLFVAG
 ERCDVETLEWSKKVFRVPVLDHWWQTETGSPITASCIGLNSKTPPPGQAGKCVPGYNVMILDDNMQKLLK
 ARSLGNI VVKLPLPPGAFSGLWKNQEFKHL YFEKFGYDTMDAGYMDEEGYL YVMSRVDVINVAGHR
 ISAGAI EESVLSHGTVADCAVVGKEDPLKGHVPLALCVLKKDVNASEEQVLEEIVKHVRQSIGPVA AFRN
 AVFVKQLPKTRSGKIPRSTLSALVNGKPYKVTPTIEDPSIFGHIEEVLKQAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001142804

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_001142804.2](#)

RefSeq Size: 2130 bp

RefSeq ORF: 2049 bp

Locus ID: 380660

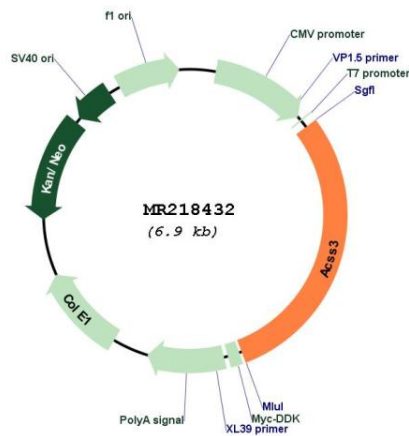
UniProt ID: [Q14DH7](#)

Cytogenetics: 10 D1

MW: 75 kDa

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 MR218432