

Product datasheet for **RN210351**

Acss3 (NM_001108091) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acss3 (NM_001108091) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acss3
Synonyms:	RGD1307051
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210351 representing NM_001108091
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGCCCTCCTGGTTGCAATGTCGCAAAGTAAACAGGCGCCGGGACGCTTGGGGCACCTCTGCCAGGAT
CCCTTCAGTAAGAGGAGCTGGTGTGGCCGAAGGGCTTTGGTGGCCGGGTTTCGGGGCAGGGGCTGCAG
GGCTCTGACCACAAGCAGCGGTGGTGGCGAGTACAAGACCCACTTTGCAGCCTCTGTGGCTGACCCGGAG
AGATTCTGGGGTAAAGCTGCTGAGCAGATCAGTTGGTACAAGCCCTGGACCAAAACTAGAGAACAGAT
ACCCGCCCTTCCACTAGTTGGTTTGTGGAAGGGATGCTCAACATTTGTTACAATGCTATTGATCGGCACAT
CGAAAATGGCCAAGGGGATAAGATCGCTATCATCTATGACAGTCCCGTTACAGACACCAAGCAACTATC
TCCTATAAGGAAGTCTTGGAGCAGGTCTCTAAGCTGGCTGGTGTCTTGGTCAAGCAAGGTGTCAAGAAAG
GTGATACTGTGGTCATCTACATGCCATGATCCACAAGCAATATACGCCATGTTGGCATGTGCGAGGAT
AGGCGCAATTCACAGTCTCATATTCGGCGGGTTTGCATCCAAGGAATTAAGTACACGCATTGATCATGTG
AAGCCTAAGGTGGTGTACAGCATCATTCCGGCATTGAGCCTGGGAGGAAGGTAGAGTACATGCCCTTC
TAGAAGAAGCTCTCAGAATAGGACAACACAAACCAGACAGACTCCTCATTACAACCGTCCAAATATGGA
GAAAGTTCCTTTGATGTCAGGTCGTGATCTTGATTGGGAAGAAGAAATGGCAAAAGCCAGTCACATGAC
TGCGTGCTGTTCTCTCAGAGCATCCCTTGACATTCTCTACACATCTGGAACAACTGGCCTGCCTAAGG
GTGTAGTTAGACCCTGGGGGATAGCTGTAATGTTGAACTGGACAATGTCTTCCATATATGGACTTAA
ACCTGGAGAGGTATGGTGGGCAGCTTCTGACTTAGGCTGGGTTGTCGGACATTCCTATATTTGCTATGGT
CCTCTTCTACATGGAAACACAACAGTTTTATATGAGGGAAACCTGTGGGAACACCGGATGCTGGCGCTT
ATTTCCGTGTGCTCGCAGAGCATGGAGTGGCTGCCTTGTTCACAGCACCAACCGCAATTAGAGCCATCCG
TCAACAGGACCCTGGGGCAGCCTTGGGAAGCAGTACTCTGACAAGGTTCAAGACACTGTTTGTGGCT
GGGAAAAGATGTGATGTGGAGACCCTAGAGTGGTCCAAAAAAGTCTTCCGCGTTCCTGTCTAGACCACT
GGTGGCAAACAGAGACTGGATCCCCATCACAGCATCATGTATCGGACTAGGCAACTCCAAAAACCCCC
ACCAGGACAAGCAGGAAATGTGTTCCAGGATACAATGGAAGCTACCTGTCTTATAATTCTGTGATGTCT
CTGACTTCTCCTGCTATGAAAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001108091

Insert Size: 1497 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001108091.1](#), [NP_001101561.1](#)

RefSeq Size: 2442 bp

RefSeq ORF: 1497 bp

Locus ID: 314800

Cytogenetics: 7q21

Gene Summary: Catalyzes the synthesis of acetyl-CoA from short-chain fatty acids (PubMed:28003429). Propionate is the preferred substrate but can also utilize acetate and butyrate with a much lower affinity (PubMed:28003429).[UniProtKB/Swiss-Prot Function]