

Product datasheet for **RR211612**

Aacs (NM_023104) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aacs (NM_023104) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aacs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR211612 representing NM_023104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAAGCTGGCAGCGCTCGAGCGCAGGAGATCATGGAGTGCCAGGTGATGTGGAGCCTGACAGCA
 AGAAGGACACGCAGATGGACCGCTTCCGGCGGCCGTGGTACTGCCTGCGGCCTGGCGCTTGGGAATTA
 CGATGACTTATACCACTGGTCTGTCCGGTCGTATTCAGACTTCTGGGCTGAGTTCTGGAAGTTCAGTGGA
 ATTGTCTGCTCTCGCATGTATGATGAGGTTGTGGACACATCCAAAGGAATTGCAGATGTCCTGAGTGGT
 TCAGAGGCAGCCGCTCAACTATGCAGAGAACCTTCTGCGGCACAAGGAGAACGACAGAGTCGCCCTTTA
 CGTGGCCCCGGAAGGCAGAGAGGAGATTGCGAAGGTGACTTTCGAAGAGCTTCGGCAGCAGGTGGCTCTG
 TTTGCAGCCGCCATGAGGAAGATGGGCGTAAGAAAGGGACCGTGTGGTTCGTTATCTCCCAACAGTG
 CCCATGCCGTGGAGGCCATGCTGGCTGCTGCCAGTATTGGAGCCATTTGGAGTTCTACCTACCAGACTT
 TGGTGTGAATGGTGTCTGGACCGCTTTTCTCAAATTCAGCCGAACTTATCTTCTCGGTGGAAGCTGTG
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 AGCGAGTGGTGTGATCCCTATGTCCTCCAAGGGAGAAGATAGACATTTCCAAGATCCCAACAGCAT
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 AATACCCAGGTGTCTGGGCACACGGCGACTACTGCAGGATCAACCCCAAGACAGGAGGTATCGTCATGTT
 GGGCCGGAGTGATGGCACCCCTCAACCCCAATGGCGTACGCTTTGGCAGCTCGGAGATCTACAACATTGTG
 GAAGCCTTCGATGAGGTGGAGGACAGCCTTTGTGTGCCAGTACAACAGGGATGGTGGAGAGCGGGTAG
 TCCTGTTTCTGAAGATGGCCTCTGGGCACACTTCCAGCCCGACCTCGTGAAGCACATCCGTGATGCCAT
 CCGCCTTGGCCTGTCTGCTCGCCACGTGCCAGCCTCATCTGGAGACCAAGGCATTCCATACACAATC
 AACGGCAAGAAAGTGGAGGTGGCCGTGAAGCAGGTGATAGCTGGGAAGACTGTGGAGCACCGGGGGGCT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211612 representing NM_023104
Red=Cloning site Green=Tags(s)

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MSKLARLEREEIMECQVMWEPDSKKDTQMDRFRAAVGTACGLALGNYDDL YHWSVRSYSDFWAEFWKFSG
IVCSRMYDEVVDTSKGIADVPEWFRGSRNLNYAENLLRHKENDRVALYVAREGREEIAKVTFEELRQQVAL
FAAAMRKMGVKKGDRVVGYPNSAHAVEAMLAASIGAIWSSTSPDFGVNGVLDRLF S QIQPKLIFSVEAV
VYNGKEHGLEKLRVVKGLPDLQRVVLIPYVLPREKIDISKIPNSMFLDDFLASGTGAQAPQLEFEQLP
FSHPLFIMFSSGTTGAPKCMVHSAGGTLIQHLKEHVLHGNTSSDILLYTTVGMMWNMVSALATGAS
LVLYDGSPLVPTPNVLWDLVDRIGITILGTGAKWLSVLEEKDMKPMETHNLHTLHTLSTGSPLKAQSYE
YYRICKSTVLLGSISSGTDIISCFMGQNSSIPVYKGEIQARNLGMAVEAWDEEGKTVWGASGELVCTKP
IPCQPTHFWNDENSKYRKAYFSKYPGVWAHG DYCRINPKTGGIVMLGRSDGTLNPNGVRFGSSEIYNIV
EAFDEVEDSLCVPQYNRDGEERVVFLKMASGHTFQPDLVKHIRDAIRLGLSARHVPSLILETQGIPYTI
NGKKVEVAVKQVIAGKTVEHRGAFSNPESLDLYRDIPELQDF
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_023104

ORF Size: 2016 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_023104.1](#), [NP_075592.1](#)

RefSeq Size: 3190 bp

RefSeq ORF: 2019 bp

Locus ID: 65984

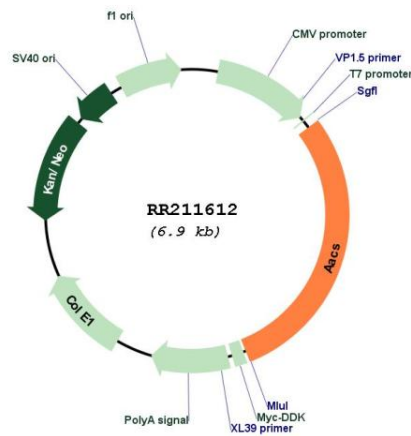
UniProt ID: [Q9JMI1](#)

Cytogenetics: 12q14

MW: 75 kDa

Gene Summary: activates acetoacetate to its CoA ester [RGD, Feb 2006]

Product images:



Circular map for RR211612