

Product datasheet for **RR204164**

Acss2 (NM_001107793) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acss2 (NM_001107793) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acss2
Synonyms:	Acas2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR204164 representing NM_001107793
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTTCCCAGGAGCGGCCAAGAGCGGCAGCGGGAGCCGGCTCGCGAGGAGACCGGCCGAGG
 GCCGGGTGCGGGTTGGTCCCCGCCCGGAGGTCAGACGCTCGGCGCAGTCCCCTCTCTGCAGCGCTA
 CCGCGAGCTGCACCGCCTTCTGTGGAGAGCCACGGAGTTTTGGGAAACATTGCCAAGGAATTTTAC
 TGGAAAACCCCATGCCCTGGCCATTCTCCAGTACAACCTTTGATGTGACTAAAGGGAAAAATTTCACTG
 AGTGGATGAAAGGAGCAACCACAAAATCTGCTACAATGTGCTGGATAGAAATGTCCATGAGAAAAAAT
 TGGCGACAAAGTTGCTTTTTACTGGGAGGGCAATGAGCCAGGGGAGACCACCAAGATCACATACCGTGAA
 CTCCTGGTCCAGGTGTGTCAGTTCAGCAATGTTCTCCGTAACAGGGTGTTCAGAAGGGTGACCGAGTGG
 CCATCTACATGCCTATGATCTTGGAGCTTGTGGTGGCTATGCTGGCATGTGCTCGCCTTGGAGCTTTGCA
 CTCATTGTGTTTGCAGGCTTCTGTCAGAGTCTCTCTGTGAACGGATCTTGGATTCCAGCTGCTGCCTG
 CTACTACTACAGATGCCTTCTACAGGGGGGAAAAAATTTGTGAACCTGAAGGAGCTGGCTGATGAGTCTT
 TGGAGAAGTGCCGAGAGAAGGGTTTCCCAGTGAGATGCTGCATTGTGGTCAAACATCTGGGGCGGCCAGA
 GCTGGGCATGAATGACTCCCCAGCCAGTCCCCACCCGTTAAGAGGCCATGTCCAGATGTCCAGATCTCC
 TGGAAATGAAGGGGTTGACTTGTGGTGGCATGAACATGTCAGCAGGCAGGAGATGAGTTTGGCCTGAGT
 GGTGTGATGCCGAGGACCTCTCTTCATCTTGTATACAGTGGCTCCACAGGCAACCCAAAGGGTGTGGT
 GCACACAGTTGGAGGCTACATGCTCTATGTGGTACAACCTTCAAGTATGTGTTTGAATTTCCATCCGGAG
 GATGTATTCTGGTGCACAGCAGACATTGGCTGGATCACTGGTCATTCTATGTCACATATGGGCCGCTGG
 CGAATGGTGCCACCAGTGTGTTTGGTGGAGGGATCCCCACATACCCAGATGAAGGCCGCTTGTGGAGCAT
 TGTGGACAAATACAAGGTGACCAAGTTCTACACGGCACCAACAGCAATCCGGATGCTCATGAAGTTTGGGA
 GATGATCTGTCAACAGCATAGCCGGGCATCCTTGCAGGTGCTGGGCACAGTAGGTGAACCCATCAACC
 CTGAAGCCTGGCTATGGTACCATCGGGTAGTAGGTTCCCAGCGTTGCCCATTTGTAGACACCTTCTGGCA
 AACAGAAACAGGTGGCCATATGCTGACCCCTCTCCCTGGTCCACACCCATGAAACCAGGTTCTGCTTCT
 TTCCCCTTCTTTGGTGTGCGCCTGCAATCCTGAACGAGTCCGGGGGAGAACTGGAAGGGGAAGCTGAAG
 GTTATCTGGTGTCAAGCAGCCCTGGCCAGGGATCATGCGCACAGTTTATGGGAACCACACAGTTTCTGA
 GACCACCTACTTTAAGAAGTCCCTGGCTACTACGTGACTGGAGATGGCTGCCGACGGGATCAGGACGGC
 TATTACTGGATCACTGGCAGGATTGATGACATGCTCAATGTGTCTGGACATCTTCTGAGTACAGCAGAGG
 TGGAAATCAGCACTTGTGGAACATGAGGCTGTTGCAGAGGCAGCTGTGGTGGGCCACCCCTCATCTGTGAA
 GGGTGAATGCCTCTACTGCTTTGTACCTTGTGTGACGGCCATACCTTACGCCCCACCCTCACTGAGGAA
 CTCAAGAAGCAGATTAGAGAAAAGATTGGCCCCATTGCCACACCAGACTACATCCAGAATGCACCCGGCT
 TGCCATAAACACGCTCAGGAAAAATCATGAGGAGAGTACTCCGGAAGATTGCTCAGAATGACCACGACCT
 GGGGGATACCTCTACAGTGGCTGACCCATCTGTCAACCATCTCTTACAGTACCGCTGCCTGACCACA
 CAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204164 representing NM_001107793
 Red=Cloning site Green=Tags(s)

MGLPEERRKSGSGSRAREETGAEGRVRGWSPPEVRRSAHVPSLQRYRELHRRSVVEEPREFWGNIAKEFY
 WKTPCPGPFLQYNFDVTKGKIFTEWMKGATTNICYNVLDNRVHEKKLGDKVAFYWEGNEPGETTKITYRE
 LLVQVCQF SNVLRKQGVQKGRVAIYMPMILEL VVAMLACARLGALHSIVFAGFSAESLCERILDSSCCL
 LITTDAFYRGEKLVNLKELADESLEKCREKGFVVRCCI VVKHLGRAELGMNDSPSQSPPVKRPCPDVQIS
 WNEGVDLWWHELMQQAGDEFEPWCDAEDPLF ILYTSGSTGKPKGVVHTVGGYMLYVATTFKYVDFHPE
 DVFWCTADIGWITGHSYVYGPLANGATSVL FEGIPTYPDEGRLWSIVDKYKVTKFYTAPTAIRMLMKFG
 DDPVTKHSRASLQVLGTVGEPINPEAWLWYHRVVGSRQRCPIVDTFWQTETGGHML TPLPGATPMKPGSAS
 FPFVGVAPAILNESGEELEGEAEGYL VFKQPWPGIMRTVYGNHTRFETTYFKKFPGYVYVTDGDCRRDQDG
 YYWITGRIDDMLNVSGHLLSTAEVESAL VEHEAVAEAAVVGHPHPVKGECLYCFVTL CDGHTF SPTL TEE
 LKKQIREKIGPIATPDYIQNAPGLPKTRSGKIMRRVLRKIAQNDHDLGDTSTVADPSVINHLF SHRCLTT
 Q

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001107793

ORF Size: 2103 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_001107793.1](#), [NP_001101263.1](#)

RefSeq Size: 2867 bp

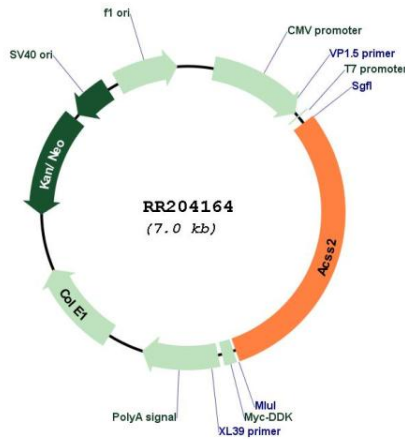
RefSeq ORF: 2106 bp

Locus ID: 311569

Cytogenetics: 3q42

MW: 78.9 kDa

Product images:



Circular map for RR204164