

Product datasheet for **RR212396**

Acot3 (NM_001108041) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acot3 (NM_001108041) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acot3
Synonyms:	RGD1564089
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR212396 representing NM_001108041
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCACGCATTTACCACCCAGAACCGGATGGCACCCACAGTGATCCTGGAGCCCGCGGTTGGCTGCCTTT
 GCGACCAGCCGGTGACATCACCGTGCGCGGCCTGGGCCCGAGCAGCCCGTCACGCTGCGCGCGGCCCT
 GCGCGACGAGAAGGGCGCGCTCTTCGAGCCACGCGCGCTACCGCGCCGACGCCATGGAGTGCTGGAC
 CTGGAGCGCGCGCCGCGCTGGGCGGCAGCTTACCGGGCTCGAGCCATGGGGTGATCTGGGCCATGG
 AACCCGAACGGCCTTTCTGGCGTCTGGTCAAGCGCAGCTGCAGACGCCCTTCGTGGTGGAGCTGGAGGT
 GCTGGACGGACACGAGCCGACGCGGGCGGCTGCTGGCGCAGGCGGTGCACGAGCGTCACTTCATGGCT
 CCCGGGTGCGGCGCTGCCGTGCGCAGGGCCGGTGCGGCCACGCTCTTCTGCCCCAGGGAATG
 GATCCTTTCTGGAATCATAGACCTTTTGGACTTGGAGCGGCCTTCTGGAGTACCGGGCGAGTCTGCT
 GGCTGGGAAGGGCTTTGCCGTATGGCTCTGGCTTATTACAACACGACGACCTCCCAAGGACGTGGAC
 ATTATCCACCTGGAGTACTTTGAGGAAGCGGTGAACCTACCTGCTCAGTACCCCTCAGGTAAAAGGTTTCAG
 GAGTTGGGGTGCTTGGCATTTCGAAGGGGGTGAACCTGGCTTTGCCATGGCCACCTTCCTGAAAAATAT
 CACAGTGCTGTCAATTATCAATGGCTCTGTAGCCAACGTCGGTGGAACTTACAGTACAGGGATGAGACC
 ATACTCCCGGTGGCATGAGCACCACGAATCAAGAGGATCAAAGATGGCCTCAAAGACATTGTGGATG
 CCCTGAACAATCTCTGGAAGGAGCTGACCAGAAGAGCTTGATCCCTGTGGAAAGGTCTGACACAACCTT
 CCTGTTCTCTGTTGGTCAGGATGACCACAACCTGGAAGAGCGAGTTCTATGCCAGAGAGGCTCCAAACGC
 TTGCAGGCCCATGGGAAGGAGAAGCCCCAGATCATCTGTTACCCAGAGACAGGCCACTATATTGAGCCTC
 CTTATTTCCCCTTGTGTAAGGCTTCCCTGCACAGCCTGGTGGGCGGTCTGTCTATCTGGGAGGGGAGCC
 CAGGGCTCAGCCATGGCCAGGTTGATGCTTGGCAGCACTCCAGACTTTTTCCACAAACATTTGGGT
 GGGGAAAAGAAGACAATCCCAGCAAACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212396 representing NM_001108041
 Red=Cloning site Green=Tags(s)

MHAFTTQNRMAPTVILEPAVGCLCDQPVHITVRGLGPEQPVTLRALRDEKGFRAHARYRADAHGVL
 LERAPALGGSFTGLEPMGLIWAMEPERPFWRVLRDVTQPFVVELEVLDGHEPDGGRLLAQAVHERHFMA
 PGVRRVPVREGVRATLFLPPNGSFPGIIDLFGLGGLEYSRLLAGKGFVMAALAYNYDDLPKDVD
 IHLLEYFEEAVNYLLSHPQVKGSGVGLGISKGGELGFAMATFLKNITAAVIINGSVANVGGLQYRDET
 ILPVGMSKRIKRIKDLKDIVDALNNPLEGADQKSLIPVERSDTTFLFLVGQDDHNWVSEFYAREASKR
 LQAHGKEKPQIIICYPETGHYIEPPYFPLCKASLHSLVGGPVIWGGEPRAHAMAQVDAWQQLQTFHKLHG
 GEKKTIPAKL

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001108041

ORF Size: 1290 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_001108041.1](#), [NP_001101511.1](#)

RefSeq Size: 1964 bp

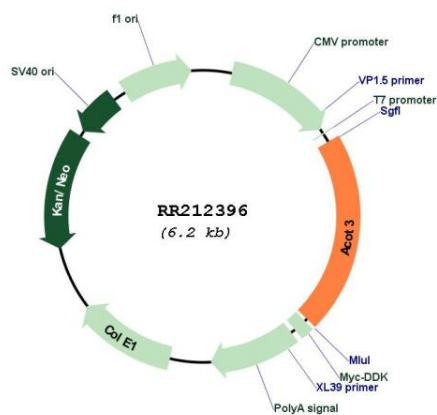
RefSeq ORF: 1293 bp

Locus ID: 314304

Cytogenetics: 6q24

MW: 47.3 kDa

Product images:



Circular map for RR212396