

## Product datasheet for **RR216976**

### **Acot11 (NM\_001271383) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acot11 (NM_001271383) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acot11
Synonyms:	Thea
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR216976 representing NM\_001271383  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATACAGAATGTGGCAACCACTTACGAAGGGGCTTCGCCTCTATGTTCTCTAGTCGGACATCCCGGA  
 AGTCAGTCTCTCATCCGGAGTCCGGAGACGCTTCCGCCATGGCAGAGGGTGAAGGCTACCGGAACCCAC  
 GGAGGTGCAGATGAGCCAGCTGGTGTGCCTGCCACACTAACCCCGTGGGAGCTGAGCATTGGGCAG  
 TTGCTCAAATGGATCGACACCACAGCCTGCCTATCAGCGGAGAGGCATGCTGGCTGCCCTGTGTACAG  
 CCTCCATGGATGACATCTACTTCGACCATACCATTAGTGTGCGCCAAGTGGTGAATATCAAGGCCAAGGT  
 GAACCGGGCCTTCAACTCCAGCATGGAGGTAGGAATCCAGGTGGTCTCTGAAGATCTGTGCTCTGAGAAA  
 CAGTGGAGTGTCTGCAAGGCCTTGGCCACCTTCGTGGCCACCGGGAGCTCTCAAGGTGAAGCTGAAGC  
 AGGTTGTCCATTGACGGAGGAGGAGAAGACCGAGCATGGGTGGCGGCTGAGCGCCGGCGTATCGACT  
 GGTCTACACAGACACCATCAAGGATCTCCTAGCTCACTATGCCATCCAGGATGATCTGGACAAGGACTGC  
 AGCAATATGGTGGCAGCCGAGAAGACCCGGTGGAGAGTGTGAACTGGTGTGCCTCCTCACGCCAATC  
 ATCAGGGCAATACCTTTGGGGCCAGATCATGGCTGGATGGAGAACGTGGCCACCATTGACGCCAGCCG  
 GCTCTGTGCATGCCACCCTACTCAAGGCCATCGAGATGTTCCATTTCCGAGGCCCATCTCAGGTGGGG  
 GACCGTCTGGTGTCAAGGCCATCGTGAATAATGCCTTCAAGCATAGCATGGAGGTGGGTGTGTGTAG  
 AGGCTTACCGCCAGGAGGCTGAGACCCAGCGCCGGCACATCAACAGCGCCTTTCATGACTTTCGTGGTCT  
 GGACAAAGATGACCAGCCTCAGAAGTGCCTGGATTTCGTCCCGCCTGGGGATGGTGAACGGCGGATA  
 CGAGAGCCAGTCCAGGAAGAAGATCCGCCTGGACAGGAAGTACCTTGTGTCTGTAAGCAGCGCGGAAA  
 TGGCCCTGTCTGTTCCCTGGGATCCTAGCAACCAAGTATACCTGAGCTATTACAACGTGTCTCTGAA  
 GACGCTTATGGCCAAGGATAACTGGGTGCTGTCTGTGGAGATCAGTGAGGTTCCGCTGTACATCCTGGAA  
 GAGGAGTTCCTGTCTTCACTTGGAGATGGTGGTAAATGTGGATGCCGCCAGGTCTTTCAGCTGCTCT  
 CAGACCTGAGCAGAAGACCAGAGTGGGACAAGCATTGCCGGAGTGTGGAGCTAGTGCAGCAAGTGGATGA  
 GGATGACGCCATCTACCATGTCATCAGCCCTACCCTGAGTGGTAACACCAAGCCCCAAGACTTTGTGATC  
 CTGGCCTCTAGGAGGAAGCCTTGTGACAGTGGGACCCCTACGTCATTGCCCTGAGGTCTGTCACTGC  
 CCACGCACCGTGAGACACCGGAATATCAACGTGGGAGACTCTCTGTTCAAGGCTTCTGTTGTGGCGTGA  
 GGGGACCAGTCGACTAAGGTTTCTACTATAACCAGGCTACCCCTGGTTTTCTCAACTATGTGACCACC  
 AATGTGGCTGGCCTGTCTCGGAGTTCTACAACACTTTCAAGGCTTGTGAGAGTTTCTGTTGGACAACC  
 GGATGACCTGGCCCCAGCCTCCAGACCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216976 representing NM\_001271383  
 Red=Cloning site Green=Tags(s)

MIQNVGNHLRRGFASMFSSRTSRKSVSHPESGDASAMAEGEYRNPTEVQMSQLVLPCHTNHRGELSIGQ  
 LLKWIIDTTACL SAERHAGCPCVTASMDIYFDHTISVGQVNNIKAKVNRANFSSMEVGIQVVSIEDLCEK  
 QWSVCKALATFVAHREL SKVKLKQVPL TEEKTEHGVAERRRMRL VYTDTIKDLLAHYAIQDDLKDC  
 SNMVP AEKTRVESVELVLP PHANHQNTFGGQIMAWMENVATIAASRLCHAHP TLKAIEMFHRGPSQVG  
 DRLVLKAI VNNAFKHSMEVGVCEAYRQEAE TQRRHINS AFMTFVVL DKDDQPQKLPWIRPQPGDGERRY  
 REASARKK IRLDRKYLVSCKQAEMAL SVPWDPSNQVYLSYNNVSSLKTLMAKDNWVLSVEISEVRLYILE  
 EEFLSFHLEMVNVDAAQVQLLSDL SRRPEWDKHCRSVELVQQVDEDDAIYHVISPTLSGNTKPDQFVI  
 LASRRKPCDSGDPYVIALRSVTLPTHRETPEYQRGETLCSGFCLWREGDQSTKVSYYNQATPGFLNYVTT  
 NVAGLSSEFYNTFKACESFLLDNRNDLAPSLQTL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001271383

**ORF Size:** 1782 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\\_001271383.1](#), [NP\\_001258312.1](#)

**RefSeq Size:** 2052 bp

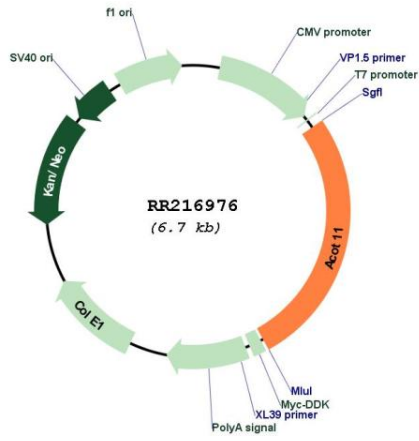
**RefSeq ORF:** 1785 bp

**Locus ID:** 100363074

**Cytogenetics:** 5q34

MW: 67.1 kDa

Product images:



Circular map for RR216976