

## Product datasheet for **RR216528**

### Acot7 (NM\_001146061) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acot7 (NM_001146061) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Acot7
Synonyms:	Bach
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216528 representing NM_001146061 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCTGCTTGTAGGACTCTGTACCTCTGGGAGTGGGAGACAGGTAGCCTCTTGGAGCCTGACGT  
CTGCCAGGAGTGTGGTGCTCAGGAAACATGGTGGGCTTCGATGAGGGCTGCAGAACCAGAGCAGT  
TCATCACAAGCCTGGACATTGCATCGCCATGGGAAGGATCATGCGTCCGGATGATGCCAAGTGGCCGGC  
AATGTTACGGAGGGACCATTCTAAAGATGATCGAGGAGGCTGGGGTTCATCATCAGCACCCGGCACTGTA  
ACAGCCAGAATGGGGAGCGCTGTGTGGCTGCCCTGGCCCGGGTGGAGCGCACTGACTTCTGTGCCCAT  
GTGCATCGGTGAGGTGGCTCACGTGAGCGCAGAGATCACCTATACTTCCAAGCACTCTGTGGAGGTCCAG  
GTCCACGTGTTGTGGGAAACATCTCACAGGTACCAAAAAGCTGACCAATAAGGCCACCTGTGGTATG  
TGCCCTGTGATTGAAGAATGTGGACAAGGTCTTGGAGTGCCTCCTATTGTGATTTACGGCAGGAACA  
GGAGGAGGAGGGTCGAAACGCTATGAAGCCAGAAGCTAGAACGCATGGAGACCAAGTGGAGGAACGGA  
GACATTGTCCAGCCATCCTGAACCCAGAGCCGAACACAGTGAAGTACAGCCAGTCCAGCCTGATCCACC  
TGGTGGGCCCCTCAGACTGCCTTTCATGGCTTCGTGCACGGAGGTGCACCATGAAGTCAATGATGATGA  
GGTGGCCGGGATTGTGGCTGCGCGCCACTGCAAGACCAATATAGTACTGCCTCTGTGGATGCTATTAAT  
TTCCATGACAAGATCCGAAAGGCTGTGTATCACCATCTCTGGACGCATGACCTTCACAAGCAATAAGT  
CTATGAAATTGAGTCTGTTGGAGCGCTGACCTGTGGTGGACAACACAGAAGCGCTACCGGGCTGC  
CAGTGCCTTCTTACCTACGTGTCCCTGAATCAGGAGGGCAAGCCGCTGCCTGTGCCTCAGCTTGTGCCG  
GAGACGGAGGACGAGAAGAAGCGTTTTGAAGAAGGCAAAGGCCGCTATCTGCAGATGAAGGCGAAGCGAC  
AGGCCATACAGACCTCAGCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR216528 representing NM\_001146061  
Red=Cloning site Green=Tags(s)

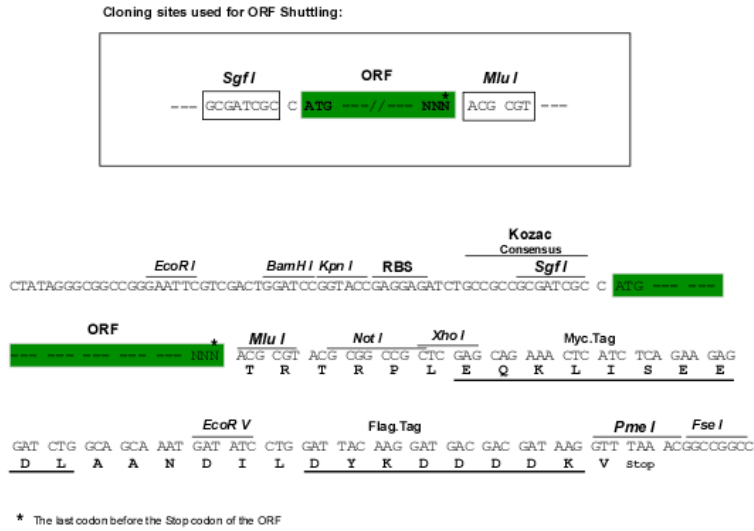
MKLLARTLYLWEVGRQVASWSL TSGQECLVLRETWWASMRVRTRAVHHKPGHCIAMGRIMRPDDANVAG  
 NVHGGTILKMIEEAGV IISTRHCNSQNGERCVAALARVERTDFLSPMCIGEVAVHSAEITYTSKHSVEVQ  
 VHVLSENILTGTKKLTNKATLWYVPLSLKNVDKLVLEVPPIVYLRQEQEEEGRKRYEAQKLERMETKWRNG  
 DIVQPIILNPEPNTVSYSQSSLIHLVGPSDCTLHGFFVHGGVTMKLMDEVAGIVAARHCKTNIIVTASVDAIN  
 FHDKIRKGCVITISGRMTFTSNKSMEIEVLVDADPVDNSQKRYRAASAFFTYVSLNQEGKPLPVPQLVP  
 ETEDEKKRFEEGKGRYLQMKAKRQGHTEPQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

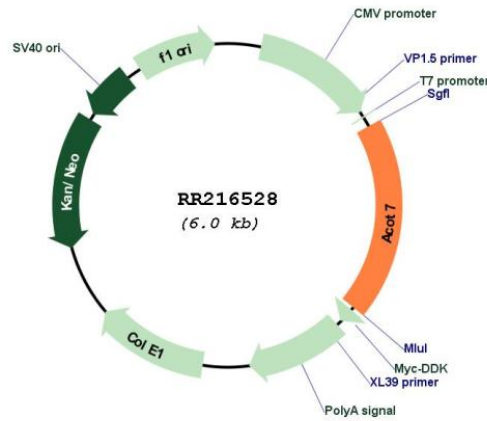
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001146061

<b>ORF Size:</b>	1143 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001146061.1</a> , <a href="#">NP_001139533.1</a>
<b>RefSeq Size:</b>	1525 bp
<b>RefSeq ORF:</b>	1146 bp
<b>Locus ID:</b>	26759
<b>UniProt ID:</b>	<a href="#">Q64559</a>
<b>Cytogenetics:</b>	5q36
<b>MW:</b>	42.7 kDa
<b>Gene Summary:</b>	cleaves acyl-CoA thioesters to free fatty acids and coenzyme A [RGD, Feb 2006]