

## Product datasheet for **RR206588**

### Acot8 (NM\_130756) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Acot8 (NM\_130756) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Acot8  
**Synonyms:** Pte1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR206588 representing NM\_130756  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCACCCACTCAGAAATTGACAAGCACACGACCAATCAGAATCTGCGTCTCGCACGGAAACC  
CTAGGGATTTCCGGCCCCTGGAGCGACCTGCCGGAAGCGCTGGGTGCCTATATAAGTTTCCGCGTTTCTC  
TCATCTGCAGCAAGCAGTGAAAAATGTCAAAGCCAGAGGACCTAGGAGATGCTAATGGCGACGCCGACCGC  
GGCGACCTTTCCGGGGACCTGCGTAGTGTGCTGGTCACCAGCGTCTCAACCTCGAGCCTCTAGATGAAG  
ATCTCTACAGAGGAAGGCATTACTGGGTACCTACCTCCCAGCGGCTCTTTGGGGTCTCAGATTGTGGCCA  
GGCTCTGGTGGCTGCAGCCAAGTCCGTGAGTGAAGACGTCCACGTGCACTCCCTGCACTGCTACTTTGTC  
CGGGCAGGGGACCCAAAGGTGCCAGTGTGTACCATGTGGAGAGGACACGAACAGGAGCAAGCTTCTCAG  
TGCGTGCAGTGAAGGCTGTGCAGCATGGCAAGGCCATCTTCATCTGCCAGGCCTCCTCCAGCAGATGCA  
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GCCCTCATTGACCAGTACTTAAGGGATCCTAACCTTCATGAGAAATATCGAGTGGGGTGAACCGAATTG  
CTGCCCCGAGAGGTGCCTATTGAGATCAAGCTGGTGAACCCACCCGCCCTGAACCACTGCAGACTGGA  
GCCCAAACAGATGTTCTGGGTGCGAGCCCCGGGCTATATTGGGGACGGCGACATCAAGATGCACTGCTGT  
GTGGCTGCTTACATCTCTGACTACGCCCTTCTGGGGACGGCACTGCTGCCTCACCAGTCCAAGTATAAAG  
TGAACCTCATGGTCTCGCTGGACCACTCCATGTGGTTCCACGCCCATTCGCTGCTGACCACTGGATGCT  
CTACGAGTGTGAGAGCCCTGGGCTGGTGGCTCTCGAGGGCTGGTACATGGGCGGCTGTGGCGTCCGGAT  
GGGGTCTTGCTGTGACCTGTGCCAGGAGGGTGTGATCCGATCGAAGCCTCGGGTATCCGAGAGTAAAC  
TA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR206588 representing NM\_130756  
 Red=Cloning site Green=Tags(s)

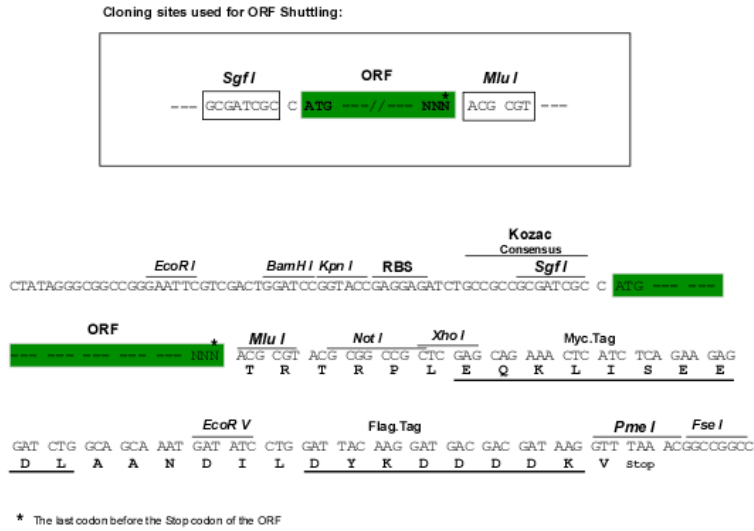
MATPTQKLTSTTTNQLRLAHGNPRDFRPLERPAGSAGCLYKFPFRLSHLQQAVKMSKPEDLGDANGDADR  
 GDLSGDLRSVLVTSVLNLEPLDEDLYRGRHYWVPTSQRLFQGGQIVGOALVAAAKSVSEDEVHSLHICYFV  
 RAGDPKVPVLYHVERTRTGASFSVRAVKAVQHGKAIFICQASFQMQPSPLQHQFSMPPTVPPPEELLDHE  
 ALIDQYL RDPNLHEKYRVGLNRIAAREVPIEIKLVNPPALNQLQTLEPKQMFWRARGYIGDGDIKMHCC  
 VAAISDYAFLGTALLPHQSKYKVNFMVSLDHSMMWFHAPFRADHWMLYECESPWAGGSRGLVHGRLWRRD  
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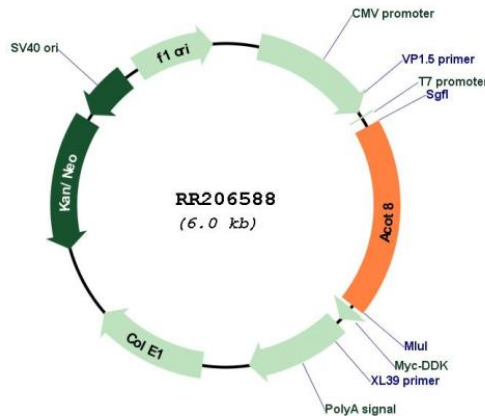
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_130756

<b>ORF Size:</b>	1122 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_130756.3</a> , <a href="#">NP_570112.3</a>
<b>RefSeq Size:</b>	1503 bp
<b>RefSeq ORF:</b>	1125 bp
<b>Locus ID:</b>	170588
<b>Cytogenetics:</b>	3q42
<b>MW:</b>	42 kDa
<b>Gene Summary:</b>	thioesterase; involved in conversion of dimethylnonanoyl-CoA and dimethylheptanoyl-CoA into 4,8-dimethylnonanoic acid plus CoASH [RGD, Feb 2006]