

## Product datasheet for **RR209110**

### **Acbd4 (NM\_001012013) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Acbd4 (NM\_001012013) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Acbd4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209110 representing NM\_001012013  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCACCGAGAAGGAAGACCCGACTGTCAAAAACAGTTCAGGCAGCAGTCAGCGTCATTCAGAACC  
TGCCTAAGAATGGCTCTTACCGCCCTCCTATGAAGAGATGCTGCGATTCTACAGTACTACAAGCAGGC  
TACCGCGGGCCCTGCTGGTCCCGACCTGGGTTCTGGGACCCATTGGACGTTACAAGTGGGATGCC  
TGGAACAGCCTGGGAAGATGAGCAGGGAGGAAGCCATGTCGCGCTACATCACGGAGATGAAGCTGGTGG  
CACAGAAGGTGATCGACACAGTGCCCTGGGCGAGGTGGCAGAGGATATGTTTGGTTATTTTCGAGCCCT  
GTACCAGGTGATCCCGGACATGCCGAGGCCGCCAGAACTTCTTGAAGGGTACAGGTTGGCAAGAG  
CCAGCGGTGAATAGAGACGTTCCAGGCTGCTCCAGAGCCTTCTCATCCCCCAAGGAGCCAGCACCTCCAA  
GTCCAGAGTCCCGGCTACCAAGAGACTTGGACCTGGAGGTTTTCTGTGACTCCGTGGAGCAGCTAGAGCC  
AGAGTTGGTGAGAGTGCCTGTCTGTCCCTGTTCTGCTGAATCCGAGTTGCCCACTCCACTGGG  
ACCGGGGACTCTGCTCAGAGGTTTGGGAGAGCAGAAGGAAGCCGCTGGCAGAGAGCTCACCACCAGGA  
GCAGCCCCGAGTCCCCGAGGGTTTGGAGGCAGCCTGATGGGCCCCAGGAGTTGGACAGATGGCTGGT  
GGGACAGTCCAGGCCATGCAGGAAAGCATGAAGGACGTTACAGGAGGCTACAGATCCTGGAGAGCAAG  
CCCCAGCCACTTGAGCAGCAGAGGTCGCCAGGACTCGGCCTTGGCCCTAGGGCTCTCGACTCCCACGC  
TGCTCTTCTTTATCCTGTGGCCCTTCGTTGTCCAGTGGCTCTTCCGACAGTTTCGGACCCAGAGGAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR209110 representing NM\_001012013  
 Red=Cloning site Green=Tags(s)

MGTEKEEPDCQKQFQAAVSVIQNLPKNGSYRPSYEEMLRFYSYKQATAGPCLVPRPGFWDPIGRYKWD  
 WNSLGKMSREEMSAYITEMKLVAKVIDTVPLGEVAEDMFGYFEPLVQVIPDMRPPETFLRRVTGWQE  
 PAVNRDVQAAPEPSHPPKEPAPPSPESRLPRDLLEVFCDSEVLEPELVRVPVLSVPVPAESELPHLHTG  
 TGDSAQRVWAEQKEAAGREL TTRSSPESPEGFGLMGPQELDRWL VGT VQAMQESMKDVHRRLLQILESK  
 PQPLEQQRSRTRPWPPLGLSTPTLLFFILWPFVQWLF RQFRTQRR

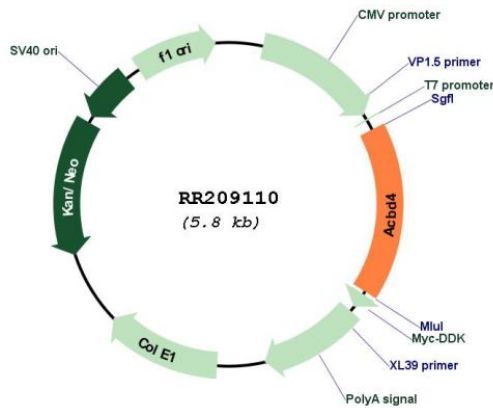
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001012013

<b>ORF Size:</b>	978 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_001012013.1</a> , <a href="#">NP_001012013.1</a>
<b>RefSeq Size:</b>	1816 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	303577
<b>UniProt ID:</b>	<a href="#">Q6DGF9</a>
<b>Cytogenetics:</b>	10q32.1
<b>MW:</b>	37.3 kDa
<b>Gene Summary:</b>	Binds medium- and long-chain acyl-CoA esters and may function as an intracellular carrier of acyl-CoA esters.[UniProtKB/Swiss-Prot Function]