

## Product datasheet for **RN211464**

### **Acbd5 (NM\_001077635) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acbd5 (NM_001077635) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acbd5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN211464 representing NM\_001077635  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGACACACGATCAGTGTATGAAACCAGGTTTGGAGCGCCGTGAAGGTGATCCAAAGTTTGCCGA  
 AAAATGGATCATTCCAGCCAACGAATGAAATGATGCTCAGGTTCTACAGTTCTACAAGCAGGCAACTGA  
 AGGACCTGTAAACTCTCAAGGCCCGGTTCTGGGATCCTATTGGAAGATATAAATGGGATGCTTGGAGT  
 TCCCTGGGTGATATGACTAAAGAAGAAGCCATGATTGCATATGTTGAAGAAATGAAAAAGATTATTGAAA  
 CTATGCCCATGACTGAGAAAGTGAAGAGTTGCTACATGTTATAGGTCCATTTTATGAGATTGTAGAAGA  
 CAAAAAGAACAGCAAGAGTTCTGACTTGACCTCAGATCTTGGTAAATGTTCTGACCTCTTCAAATGCCAAA  
 GCTGTTAATGGTAAAGCAGAGAGCAGTGATAGTGGGGCTGAGTCTGAGGAAGAAGAGGCCCAAGAAGAGT  
 TAAAAGGAGCAGAACAGAGTGGCAGTGATATAAGAAAATGATGACAAAAATCAACAGATAAGAATTTGGA  
 AATCATTGTTACCAATGGCTATAAAGATAGCTTTGCTCAGGACAGTGACATTCATACTGATTCTTCCCGG  
 AGTGCCAGACGAAGTGAAGACAAAAAGCCTACAGACCAGAGCTCTCAGCAGACAGGAAACTGTCTCT  
 CGGTTACCAAGATACAACGAAGACCCCGGTGAAGACGCTTCAGGAGTACATCATCTGACAAGTGACTC  
 AGATAGTGAAGTATACTGTGATTCTATGGAGCAATTTGGACAAGAGGAGTATTACTTAGGTGGTGATCCT  
 GCTCAGCACTTGAAGGTTCTGGTTTTTGTGAAGATGCTCAACTCTCTCTGGGAATGGCAGCATTGGGA  
 AAATGCAGATGAGAGCAGTCAAGGGAAAAGGTGAAGTGAAGCAGCGGAGGAGAAGTGGCAGAAGTAGCAG  
 TGGAACGCCGCACCGTGAGAAGAGAGCGGAGAGAGTGAAGTGAAGCAGCGGAGGAGAAGTGGCAGAAGTAGCAG  
 GGGCATAGAATGCCACATTTGAGTGAAGGAACCAAGGGTCGGCAAGTAGGAAGTGGAGGTGATGGAGAAC  
 GCTGGGGCTCAGACCGAGGGTCCAGAGGCAGCCTCAATGAGCAGATCGCTTTGTGCTCATTAGATTGCA  
 GGAGGACATGCAGAATGTTCTTCAGAGACTTCATAAACTGGAAACACTAACTGCTTCGCAGGCGAAATTA  
 TCATGGCAGACAAGTAATCAGCCCTCTCACAGAGACCATCTTGGTGGCCCTTTGAGATGTCCCCTGGTG  
 CATTAGCTTTTGTATTATATGGCCTTTTATTGCTCAGTGGTGGTGATTTGTATTATCAAGAAGGAG  
 AAGAAAATAAAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001077635
- Insert Size:** 1416 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001077635.1](#), [NP\\_001071103.1](#)

RefSeq Size: 1546 bp

RefSeq ORF: 1416 bp

Locus ID: 307170

UniProt ID: [A0FKI7](#)

Cytogenetics: 17q12.3

**Gene Summary:** Acyl-CoA binding protein which acts as the peroxisome receptor for pexophagy but is dispensable for aggrephagy and nonselective autophagy. Binds medium- and long-chain acyl-CoA esters (By similarity).[UniProtKB/Swiss-Prot Function]