

Product datasheet for **MC217182**

Acbd5 (NM_001102437) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acbd5 (NM_001102437) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acbd5
Synonyms:	1300014E15Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217182 representing NM_001102437
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTTCCTCGCGTTTCATGCAGGCTCTGGGGAAGCTGGTGTGCTGCTGTGTGATTACCGCGG
 ACAGACCTTGGACCGAGGCCGGCGCTGGCAGCTGGAGATGGCGGACACACCGTCAGTGTATGAAACCAG
 ATTTGAGGCGGCCGTGAAGGTGATCCAGAGTTTGCCGAAAAATGGATCATTCCAACCAACAAATGAAATG
 ATGCTTAAGTTCTATAGCTTCTACAAACAGGCAACTGAAGGACCTGTAAACTTTACGCGCTGGATTCT
 GGGATCCTATTGGAAGATATAAATGGGATGCTTGGAGTTCAGTGGGTGATGACTAAAGAAGAAGCCAT
 GATTGCATATGTTGAAGAAATGAAAAAGATTATTGAAACCATGCCATGACTGAGAAAAGTGAAGAGTTG
 CTGCATGTTATAGGTCCATTTACGAGATTGTAGAAGACAAAAAGAGCAGCAAGAGTTCTGACTTGACCT
 CAGATCTTGGTAATGTTCTGACCTTTCAAATGCCAAAGCTGTTAATGGTAAAGCAGAGAGCAGTGATAG
 TGGGGCTGAGTCTGAAGAAGAAGAGGCCCAAGAAGAGTTAAAAGGAGCAGAACAGAGCGGCAGTGATGAT
 AAGAAAACGCTGAAGAAATCAGCAGATAAAGAAATTTGGAAATCATTGTTACCAATGGCTATAAAGGTAGT
 TTGTTCCAGGATATACAGAGTGACATTCATACTGATTCTTCCCGGAGCACCAGAAGCAGTGAAGATGAAAA
 GCCTGGAGATGAGAGCTCTCAGCAGACAGGACACACCATTGTCTGTGCTCACCAAGATAGAAATGAAGAT
 CCCAGTGAAGATGCTTCAGGAATACACCATTTAACAAGTGATTAGATAGTGAAGTGTACTGTGACTCTA
 TGGAGCAATTTGGACAAGAAGAGTATTATTTAGGTGGTGATCCTACTCAGCACTTGGAAAGTTCTGGTTT
 TTGTGAAGATGCTCAGCAATCTCCTGGAATGGCAGCATTTGGGAAAAATGTGGATGGTAGCAGTCAAAGGA
 AAAGGCCAAGTGAACACGGAGGAGAAGATGGCAGAAGTAGCAGTGGAGCACCGCACCGTGAGACGAGAG
 GTGGAGAGAGCGAGGACTTCTCCAGTGTGAGGAGGGAGAGTAGGGAATAGAATACCACATTTGAGCGA
 AGGACCCAAGGGTCGGCAAGTAGGAAGTGGAGGTGATGGAGAACGCTGGGGCTCAGACCGGGGTCCAGA
 GGCAGCCTCAATGAGCAGATCGCTCTTGTGCTCATTAGATTGCAGGAGGACATGCAGAATGTCTTCAGA
 GACTTCATAAACTGGAACACTAACTGCTTCGACAGGCGAAATTATCTTTGCAGACAAGTAATCAGCCCTC
 CTCACAGAGACCAGCTTGGTGGCCCTTTGAGATGTCCCCTGGTGCATTAGCTTTTGCTATTATATGGCCT
 TTTATTGCTCAGTGGTTGGCACATTTGTATTATCAAAGAAGGAGAAGAAAATAAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001102437
- Insert Size:** 1530 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_001102437.1](#), [NP_001095907.1](#)

RefSeq Size: 3746 bp

RefSeq ORF: 1530 bp

Locus ID: 74159

UniProt ID: [Q5XG73](#)

Cytogenetics: 2 A3

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]
Transcript Variant: This variant (1) lacks an alternate in-frame exon compared to variant 5. The resulting isoform (a) has the same N- and C-termini but is shorter compared to isoform e.