

Product datasheet for **MC216524**

Acbd5 (NM_028793) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acbd5 (NM_028793) 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: >MC216524 representing NM_028793
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGACACACCGTCAGTGTATGAAACCAGATTTGAGGCGCCGTGAAGGTGATCCAGAGTTTGCCGA
 AAAATGGATCATTCCAACCAACAAATGAAATGATGCTTAAGTTCTATAGCTTCTACAAACAGGCAACTGA
 AGGACCTGTAAACTTTACGGCCTGGATTCTGGGATCCTATTGGAAGATATAAATGGGATGCTTGGAGT
 TCACTGGGTGATGACTAAAGAAGAAGCCATGATTGCATATGTTGAAGAAATGAAAAAGATTATTGAAA
 CCATGCCCATGACTGAGAAAGTGAAGAGTTGCTGCATGTTATAGGTCCATTTTACGAGATTGTAGAAGA
 CAAAAAGAGCAGCAAGAGTTCTGACTTGACCTCAGATCTTGGAATGTTCTGACCTCTTCAAATGCCAAA
 GCTGTTAATGGTAAAGCAGAGAGCAGTGATAGTGGGGCTGAGTCTGAAGAAGAAGAGGCCCAAGAAGAGT
 TAAAAGGAGCAGAACAGAGCGGCAGTGATGATAAGAAAACGCTGAAGAAATCAGCAGATAAGAATTTGGA
 AATCATTGTTACCAATGGCTATAAAGGTAGCTTTGTTCCAGGATATACAGAGTGACATTCATACTGATTCT
 TCCCGGAGCACCAGAAGCAGTGAAGATGAAAAGCCTGGAGATGAGAGCTCTCAGCAGACAGGACACACCA
 TTGCTGTGCTCACCAAGATAGAAATGAAGATCCCAGTGAAGATGCTTCAGGAATACACCATTTAACAAG
 TGATTCAGATAGTGAAGTGTACTGTGACTCTATGGAGCAATTTGGACAAGAAGAGTATTATTTAGGTGGT
 GATCCTACTCAGCACTTGGAAAGTTCTGGTTTTGTGAAGATGCTCAGCAATCTCCTGGAATGGCAGCA
 TTGGGAAAATGTGGATGGTAGCAGTCAAAGGAAAAGGCGAAGTGAACACGGAGGAGAAGATGGCAGAAG
 TAGCAGTGGAGCACCGCACCGTGAAGCAGAGAGTGGAGAGAGCGAGGACTTCTCCAGTGTGAGGAGGG
 AGAGTAGGGAATAGAATACCACATTTGAGCGAAGGACCAAGGGTCGGCAAGTAGGAAGTGGAGGTGATG
 GAGAAGCTGGGGCTCAGACCGGGGTCAGAGGCAGCCTCAATGAGCAGATCGCTCTTGTGCTCATTAG
 ATTGCAGGAGGACATGCAGAATGTCCTTCAGAGACTTCATAAACTGGAAACACTAACTGCTTCGCAGGCG
 AAATTATCTTTGAGACAAGTAATCAGCCCTCCTCACAGAGACCAGCTTGGTGGCCCTTTGAGATGTCCC
 CTGGTGCATTAGCTTTTGTATTATATGGCCTTTATTGCTCAGTGGTTGGCACATTTGTATTATCAAAG
 AAGGAGAAGAAAATAAAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_028793

Insert Size: 1422 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_028793.3](#), [NP_083069.1](#)

RefSeq Size: 3619 bp

RefSeq ORF: 1422 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 (3) differs in the 5' UTR and coding sequence and lacks an alternate in-frame exon compared to variant 5. The resulting isoform (c) is shorter at the N-terminus and lacks an alternate internal segment compared to isoform e.