

## Product datasheet for **RC226556**

### ACBD4 (NM\_001135706) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACBD4 (NM\_001135706) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ACBD4  
**Synonyms:** HMFT0700  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC226556 representing NM\_001135706  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGCACCGAGAAAGAAAGCCAGAGCCGACTGCCAGAAACAGTTCAGGCTGCAGTGAGCGTCATCC  
AGAACCTGCCAAGAACGGTTCTTACCGCCCTCCTATGAAGAGATGCTGCGATTCTACAGTTACTACAA  
GCAGGCCACCATGGGGCCCTGCCTGGTCCCCCGCCGGGTTCTGGACCCCATGGACGATATAAGTGG  
GACGCTTGAACAGTCTGGCAAGATGAGCAGGGAGGAGGCCATGTCTGCCTACATCACTGAAATGAAAC  
TGTTGGCAGAGAGGTGATCGACACAGTGCCCTGGGTGAGGTGGCAGAGGACATGTTTGGTTACTTCGA  
GCCCTGTACCAGGTGATCCCTGACATGCCGAGGCCCCAGAGACCTTCTGAGAAGGGTACAGGTTGG  
AAAGAGCAGGTTGTGAATGGAGATGTTGGGGCTGTTTCAGAGCCTCCCTGCCTCCCAAGGAACCGGCAC  
CCCAAGCCAGCTTCCCTCTGGGCAGTAACTCTACCAACCCCTCCACAGAGTCCCATTCACCCAGGGAC  
CTGGACTCCGAGGTTTTCTGTGATTCCTGGAGCAGCTGGAGCCTGAGCTGGTTTGGACAGAGCAGCGGG  
CAGCATCTGGAGGAAAGCGTGATCCAGGAACAGCCCGTGCCCCACAAAGAAAGAGGGGTTGCCGGG  
CAGCCCGCCGGGGCCCAAGGAGTTGGACGTGTGGCTGCTGGGGACAGTTCGAGCACTACAGGAGAGCATG  
CAGGAGGTGCAGGCGAGGGTGCAGAGCCTGGAGAGCATGCCCGGCCCTGAGCAGAGGCCCGAGCCCA  
GGCCCAGTGCTCGGCCATGGCCCTTGGGCTCCCGGGGCCCGCTGCTTCTTCTCCTGTGGCCCTT  
CGTCGTCCAGTGGCTCTTCCGAATGTTTCGGACCCAAAAGAGGTGACTGTGAGTGGAGGGTCTCTGCAG  
CCAAGTACTATCTTGTGCTGTCCTGAGCCTTCTAGGGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC226556 representing NM\_001135706  
Red=Cloning site Green=Tags(s)

MGTEKESPEPDCQKQFQAAVSVIQNLPKNGSYRPSYEMLRFYSYYKQATMGPCLVPRPGFWDPIGRYKW  
 DAWNLSL GKMSREEAMSAYITEMKLV AQVIDTVPLGEVAEDMFGYFEPL YQVIPDMPRPPETFLRRVTGW  
 KEQVYNGDV GAVSEPPCLPKEP APPSPASLWAVLTP TPQSP IHPGTWTPRF SVIPWSSWLSWFGQSSG  
 QHLEESVIPGTAPCPPQQRKRGCGAARRGPRSWTCGCWQGF EHYRRACRRRCRAWRACPGPLSRGRSP  
 GPVLGHGPLGSRGPRCSSSSSGPSSSSGSECFGPKRGDCQWRGLCSQLRLSCCALSLPRV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1543\\_b06.zip](https://cdn.origene.com/chromatograms/ja1543_b06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001135706

**ORF Size:** 1023 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001135706.3](#)

**RefSeq ORF:** 1026 bp

**Locus ID:** 79777

**UniProt ID:** [Q8NC06](#)

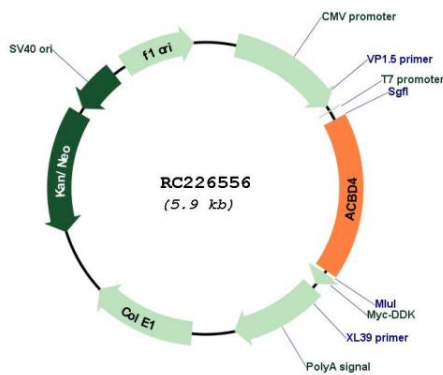
**Cytogenetics:** 17q21.31

**Protein Families:** Transmembrane

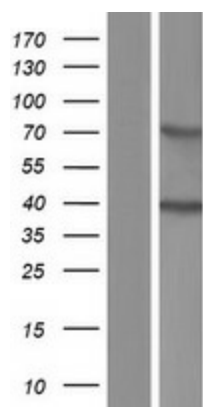
**MW:** 37.6 kDa

**Gene Summary:** This gene encodes a member of the acyl-coenzyme A binding domain containing protein family. All family members contain the conserved acyl-Coenzyme A binding domain, which binds acyl-CoA thiol esters. They are thought to play roles in acyl-CoA dependent lipid metabolism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

## Product images:



Circular map for RC226556



Western blot validation of overexpression lysate (Cat# [LY427680]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226556 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).