

## Product datasheet for RC227902

### ACBD4 (NM\_001135707) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD4 (NM_001135707) 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:	>RC227902 representing NM_001135707 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGGGCACCGAGAAAGAAAGCCAGAGCCCGACTGCCAGAAACAGTTCCAGGCTGCAGTGAGCGTCATCC  
AGAACCTGCCAAGAACGGTTCTTACCGCCCTCCTATGAAGAGATGCTGCGATTCTACAGTTACTACAA  
GCAGGCCACCATGGGGCCCTGCCTGGTCCCCGGCCGGGTTCTGGGACCCATTGGACGATATAAGTGG  
GACGCCTGGAACAGTCTGGCAAGATGAGCAGGGAGGAGCCATGTCTGCCTACATCACTGAAATGAAAC  
TGTTGGCAGAGAGGTGATCGACACAGTGCCCTGGGTGAGGTGGCAGAGGACATGTTTGGTTACTTCGA  
GCCCTGTACCAGGTGATCCCTGACATGCCGAGGCCCCAGAGACCTTCTGAGAAGGGTACAGGTTGG  
AAAGAGCAGGTTGTGAATGGAGATGTTGGGGCTGTTTCAGAGCCTCCCTGCCTCCCAAGGAACCGGCAC  
CCCAAGCCAGAGTCCCATTCACCCAGGGACCTGGACTCCGAGGTTTTCTGTGATTCCCTGGAGCAGCT  
GGAGCCTGAGCTGAGCAGCGGGCAGCATCTGGAGGAAAGCGTGATCCCAGGAACAGCCCCGTGCCCCCA  
CAAAGAAAGAGGGGTTGCGGGGCAGCCCGGGGCCCCAGGAGTTGGACGTGTGGCTGCTGGGGACAGT  
TCGAGCACTACAGGAGAGCATGCAGGAGGTGCAGGCGAGGTTGCAGAGCCTGGAGAGCATGCCCGGCC  
CCTGAGCAGTCTCACTCTGTCGGTCAGACTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC227902 representing NM\_001135707  
Red=Cloning site Green=Tags(s)

MGTEKESPEPDCQKQFQAAVSVIQNLPKNGSYRPSYEMLRFYSYYKQATMGPCLVPRPGFWDPIGRYKW  
 DAWNLSL GKMSREEAMSAYITEMKLV AQKVIDTVPLGEVAEDMFGYFEPL YQVIPDMPPPETFLRRVTGW  
 KEQVYNGDV GAVSEPPCLPKEP APPSPESHSPRDL DSEVFCDSLEQLEPELSSGQHLEESVIPGTAPCPP  
 QKRKGC GAARRGPRSWTCGCWGF EHYRRACRRCRRGCRAWRACPGPLSSLT LSVRL E

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8048\\_c03.zip](https://cdn.origene.com/chromatograms/mk8048_c03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001135707

**ORF Size:** 804 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\\_001135707.3](#)

**RefSeq ORF:** 807 bp

**Locus ID:** 79777

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

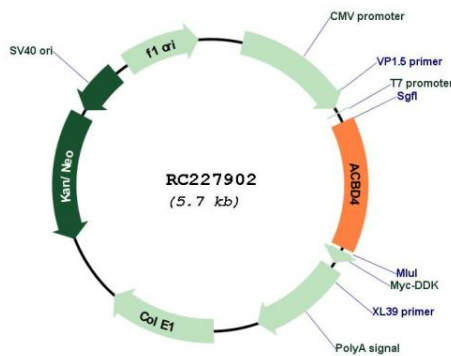
**Cytogenetics:** 17q21.31

**Protein Families:** Transmembrane

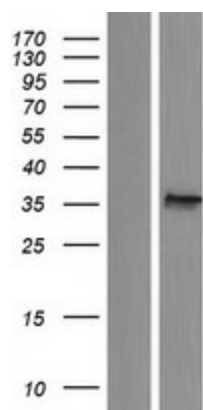
**MW:** 30.1 kDa

**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 RC227902



Western blot validation of overexpression lysate (Cat# [LY427681]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227902 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).