

## Product datasheet for **RC200754**

### ACBD6 (NM\_032360) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD6 (NM_032360) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACBD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200754 representing NM_032360 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCATCATTCTGCCCGGGGGCCATCACCGGCGACAGCGGTGGAGAGCTGAGCTCAGGGGACG  
ACTCCGGGGAGGTGGAGTCCCCATAGCCCTGAGATCGAGGAGACCAGTTGCCTGGCCGAGCTGTTTGA  
GAAGGCTGCCGCGCACCTGCAAGGCCTGATTCAGGTGGCCAGCAGGGAGCAGCTCTTGTACCTGTATGCC  
AGGTACAACAGGTCAAAGTTGAAATGTAACTCCTAAACCAAGCTTCTTTGATTTGAAGGAAAGC  
AAAAATGGGAAGCTTGGAAAGCACTTGGTGATTCAGCCCAAGCAATGCAGGAATATATCGCAGT  
AGTTAAAAAACTAGATCCAGTTGGAATCCTCAGATACCAGAGAAGAAAGGAAAAGCAAAATACAGGT  
TTTGGTGGCCAGTTATTAGTTCTATATCATGAAGAAACCATCAGGGAAGAAGACAAAAATATATTTG  
ATTACTGCAGGAAAACAACATTGACCATAAACCAGCCATCAATCGAAAAATGTGGATGTGAATGT  
GAAAGATGAAGAGGGTAGGGCTCTACTTCACTGGCCTGTGATCGAGGACATAAGGAACTAGTCACAGTG  
TTGCTGCAACATAGAGCTGACATTAAGTGTGAGGACAATGAAGGCCAAACAGCTCTACATTATGCCTCTG  
CCTGTGAGTTTCTGGATATTGTAGAGCTGCTGCTCCAGTCTGGTGTGACCCCACTCTCCGAGACCAGGA  
TGGCTGCCTGCCAGAGGAGGTGACAGGCTGCAAAACAGTTTCTTTGGTGTGCAGCGGCACACAAGTGGC  
AAGGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC200754 representing NM\_032360  
Red=Cloning site Green=Tags(s)

MASSFLPAGAITGDSGGELSSGDDSGEVEFPHSPEIEETSCLAELFEKAAHLQGLIQVASREQLLYLYA  
 RYKQVKVGNCPKPSFFDFEGKQKWEAWKALGDSSPSQAMQEYIAVVKLDPGWNPIPEKKGKEANTG  
 FGGPVISSLYHEETIREEDKNIFDYCRENNIDHITKAIKSKNVDVNVKDEEGRALLHWACDRGHKELVTV  
 LLQHRADINCQDNEGQTALHYASACEFLDIVELLLQSGADPTLRDQDGLPEEVTGCKTVSLVLQRHTTG  
 KA

TRTRPLEQKLISEEDLANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1511\\_e06.zip](https://cdn.origene.com/chromatograms/ja1511_e06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_032360

**ORF Size:** 846 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\\_032360.4](#)

**RefSeq Size:** 1089 bp

**RefSeq ORF:** 849 bp

**Locus ID:** 84320

**UniProt ID:** [Q9BR61](#)

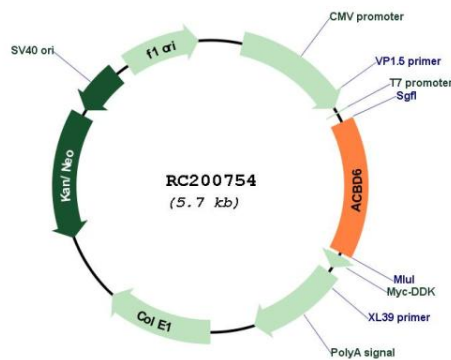
**Cytogenetics:** 1q25.2-q25.3

**Domains:** ACBP, ANK

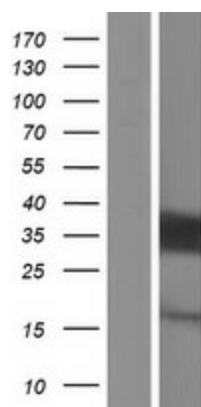
**MW:** 31 kDa

**Gene Summary:** Binds long-chain acyl-coenzyme A molecules with a strong preference for unsaturated C18:1-CoA, lower affinity for unsaturated C20:4-CoA, and very weak affinity for saturated C16:0-CoA. Does not bind fatty acids.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC200754



Western blot validation of overexpression lysate (Cat# [LY410197]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200754 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).