

## Product datasheet for **RC234353**

### ACBD5 (NM\_001271512) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD5 (NM_001271512) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACBD5
Synonyms:	RDLKD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234353 representing NM\_001271512  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCAGTTTCATGCAGGCTCTTGGAAAGCTGGTGTCTGCTGCCTGATTCCCGCCGACAGACCTT  
 GGGACCGGGCCAACTGGCAGCTGGAGATGGCGGACACGAGATCCGTGCACGAGACTAGGTTTGGAGC  
 GGCGTGAAGGTGATCCAGAGTTTGCCGAAGAATGGTTCATTCCAGCCAACAATGAAATGATGCTTAAA  
 TTTTATAGCTTCTATAAGCAGGCAACTGAAGACCCTGTAACCTTCAAGGCCTGGATTTGGGATCCTA  
 TTGGAAGATATAAATGGGATGCTTGGAGTTCAGTGGGTGATATGACCAAAGAGGAAGCCATGATTGCATA  
 TGTTGAAGAAATGAAAAAGATTATTGAACTATGCCAATGACTGAGAAAGTTGAAGAATTGCTGCGTGTC  
 ATAGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGTGGCAGGAGTTCGATATAACCTCAGATCTTG  
 GTAATGTTCTCACTTCTACTCCAACGCCAAAACCGTTAATGGTAAAGCTGAAAGCAGTGACAGTGGAGC  
 CGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTAAAGGAGCAGAACAAAGTGATAATGATAAGAAAATG  
 ATGAAGAAGTCAGCAGACCATAAGAATTTGGAAGTCATTGCTACTAATGGCTATGATAAAGATGGCTTTG  
 TTCAGGATATACAGAATGACATTCATGCCAGTCTTCCCTGAATGGCAGAAAGCACTGAAGAAGTAAAGCC  
 CATTGATGAAAATTGGGGCAAACCTGAAAAATCTGCTGTTTGCAATCACCAGATATAAATGATGATCAT  
 GTTGAAGATGTTACAGGAATTCAGCATTGACAAGCGATTGACAGAGTGAAGTTTACTGTGATTCTATGG  
 AACAAATTTGGACAAGAAGAGTCTTTAGACAGCTTTACGTCCAACAATGGACCATTTCAGTATTACTTGGG  
 TGGTCAATCCAGTCAACCCATGGAAAATCTGGATTCGTGAAGATATCAAGTACCTCCTGGAAATGGC  
 AACATTTGGAAATATGCAGGTGGTTGCAGTTGAAGGAAAAGTGAAGTCAAGCATGGAGGAGAAGATGGCA  
 GGAATAACAGCGGAGCACACACCGGGAGAAGCGAGGCGGAGAACTGACGAATTCCTAATGTTAGAAG  
 AGGAAGAGGACATAGGATGCAACACTTGAGCGAAGGAACCAAGGGCCGGCAGGTGGGAAGTGGAGGTGAT  
 GGGGAGCGCTGGGGCTCCGACAGAGGGTCCCGAGGCAGCCTCAATGAGCAGATCGCCCTCGTGTGATGA  
 GACTGCAGGAGGACATGCAGAATGTCTTCAGAGACTGCAGAACTGAAACGCTGACTGCTTTCAGGC  
 AAAATCATCAACATCAACATTGCAGACTGCTCCTCAGCCACCTCACAGAGACCATCTTGGTGGCCCTTC  
 GAGATGTCTCCTGGTGTGCTAACGTTTGCATCATATGGCCTTTTATTGCACAGTGGTGGTGTATTTAT  
 ACTATCAAAGAAGGAGAAGAAACTGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234353 representing NM\_001271512  
 Red=Cloning site Green=Tags(s)

MFQFHAGSWESWCCCLIPADRPWDRGQHWQLEMADTRSVHETRFEAAVKVIQSLPKNGSFQPTNEMMLK  
 FYSFYKQATEGPCKLSRPGFWDPIGRYKWDWSSSLGDMTKEEAMIAYVEEMKKIIETMPMTEKVEELLRV  
 IGPFFEIVEDKKSGRSSDITSDLGNVLTSTPNAKTVNGKAESSDGAEESEEEEAQEVEVKGAEQSDNDKMM  
 MKKSADHKNLEIVTNGYDKDGFVQDIQNDIHASSSLNGRSTEEVKPIDENLQGTGKSAVCIHQDINDDH  
 VEDVTGIQHLTSDSDSEVYCDSEMQFGQEEELDSFTSNNGPFQYYLGGHSSQPMENSGFREDIQVPPGNG  
 NIGNMQVVAVEGKGEVKHGGEDGRNNSGAPHREKRGGETDEF SNVRRRGRGHRMQHLSEGTKGRQVSGGG  
 GERWGS DRGSRGSLNEQIALVLMRLQEDMQNVLQRLQKLETLTALQAKSSTSTLQTAPQPTSQRPSWWPF  
 EMSPGVLTFAIIWPFIAQWL VLYYYQRRRRKLN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001271512

**ORF Size:** 1569 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\\_001271512.3](#)

**RefSeq Size:** 4185 bp

**RefSeq ORF:** 1572 bp

**Locus ID:** 91452

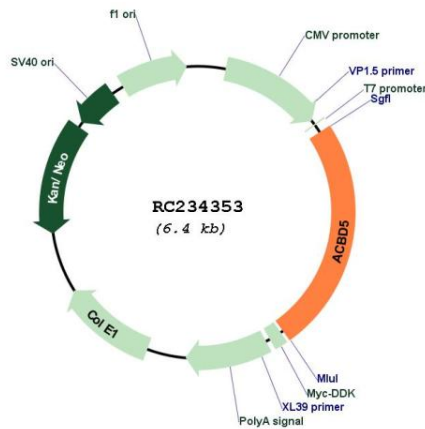
**Cytogenetics:** 10p12.1

**Protein Families:** Transmembrane

**MW:** 59.2 kDa

**Gene Summary:** This gene encodes a member of the acyl-Coenzyme A binding protein family, known to function in the transport and distribution of long chain acyl-Coenzyme A in cells. This gene may play a role in the differentiation of megakaryocytes and formation of platelets. A related protein in yeast is involved in autophagy of peroxisomes. A mutation in this gene has been associated with autosomal dominant thrombocytopenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

**Product images:**



Circular map for RC234353