

## Product datasheet for **RG234353**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD5 (NM_001271512) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ACBD5
Synonyms:	RDLKD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG234353 representing NM\_001271512  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTCCAGTTTCATGCAGGCTCTTGGAAAGCTGGTGTCTGTCTGCCTGATCCCGCCGACAGACCTT  
 GGGACCGGGCCAACTGGCAGCTGGAGATGGCGGACACGAGATCCGTGCACGAGACTAGGTTTGGGC  
 GGCGTGAAGGTGATCCAGATTTGCCGAAGAATGGTTCATTCCAGCAACAAATGAAATGATGCTTAAA  
 TTTTATAGCTTCTATAAGCAGGCAACTGAAGACCCTGTAACCTTCAAGGCCTGGATTTGGGATCCTA  
 TTGAAGATATAAATGGGATGCTTGGAGTTCAGTGGGTGATATGACCAAAGAGGAAGCCATGATTGCATA  
 TGTTGAAGAAATGAAAAAGATTATTGAACTATGCCAATGACTGAGAAAGTTGAAGAATTGCTGCGTGT  
 ATAGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGTGGCAGGAGTCTGATATAACCTCAGATCTTG  
 GTAATGTTCTCACTTCTACTCCAACGCCAAAACCGTTAATGGTAAAGCTGAAAGCAGTGACAGTGGAGC  
 CGAGTCTGAGGAAGAAGAGGCCAAGAAGAAGTAAAGGAGCAGAACAAAGTGATATGATAAGAAAATG  
 ATGAAGAAGTCAAGACCAATAAGAATTTGGAAGTCAATGCTACTAATGGCTATGATAAAGATGGCTTTG  
 TTCAGGATATACAGAATGACATTCATGCCAGTCTTCCCTGAATGGCAGAACACTGAAGAAGTAAAGCC  
 CATTGATGAAAATTGGGGCAAACCTGAAAAATCTGCTGTTTGCAATCACCAGATATAAATGATGATCAT  
 GTTGAAGATGTTACAGGAATTCAGCATTGACAAGCGATTCAGACAGTGAAGTTTACTGTGATTCTATGG  
 AACATTTGGACAAGAAGAGTCTTTAGACAGCTTTACGTCCAACAATGGACATTTCAAGTACTTGGG  
 TGGTCAATCCAGTCAACCATGGAAAATCTGGATTCGTGAAGATATCAAGTACCTCCTGAAAATGGC  
 AACATTTGGAAATATGCAGGTGGTTCAGTTGAAGGAAAAGTGAAGTCAAGCATGGAGGAGAAGATGGCA  
 GGAATAACAGCGGAGCACACACCGGAGAAGCGAGCGGAGAAAAGTCAAGTCAAGTCAAGTCAAGTCAAGT  
 AGGAAGAGGACATAGGATGCAACACTTGAGCGAAGGAACCAAGGCGCCGAGGTGGGAAGTGGAGGTGAT  
 GGGGAGCGCTGGGGCTCCGACAGAGGGTCCCGAGGAGCCTCAATGAGCAGATCGCCCTCGTGTGATGA  
 GACTGCAGGAGGACATGCAGAATGTCCTTCAGAGACTGCAGAACTGAAACGCTGACTGCTTTCAGGC  
 AAAATCATCAACATCAACATTGCAGACTGCTCCTCAGCCACCTCACAGAGACCATCTTGGTGGCCCTTC  
 GAGATGTCTCCTGGTGTGCTAACGTTTGCATCATATGGCCTTTTATTGCACAGTGGTGGTGTATTTAT  
 ACTATCAAAGAAGGAGAAGAAAAGTGAAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG234353 representing NM\_001271512  
 Red=Cloning site Green=Tags(s)

MFQFHAGSWESWCCCLIPADRPWDRGQHWQLEMADTRSVHETRFEAAVKVIQSLPKNGSFQPTNEMMLK  
 FYSFYKQATEGPCKLSRPGFWDPIGRYKWDWSSLDGMTKEEAMIAAYVEEMKKIETMPMTEKVEELLRV  
 IGPFFEIVEDKKSGRSSDITSDLGNVLTSTPNAKTVNGKAESSDSGAEEEEEAQEVEKGAEQSDNDKKM  
 MKKSADHKNLEIVTNGYDKDGFVQDIQNDIHASSLNGRSTEEVKPIDENLQGTGKSAVCIHQDINDDH  
 VEDVTGIQHLTSDSDSEVYCDSEMFQGEESLDSFTSNNGPFQYYLGGHSSQPMENSGFREDIQVPPGNG  
 NIGNMQVVAVEGKGEVKHGGEDGRNNSGAPHREKRGGETDEF SNVRRGRGHRMQHLSEGTKGRQVSGGD  
 GERWGS DRGSRGSLNEQIALVLMRLQEDMQNVLQRLQKLETLTALQAKSSTLQTAPQPTSQRPSWWPF  
 EMSPGVLTFAIIWPFIAQWL VYLYYQRRRRKLN

**TRTRPLE** - GFP Tag - V

**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

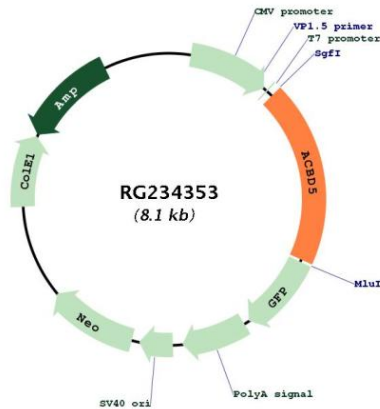
**Locus ID:** 91452

**Cytogenetics:** 10p12.1

**Protein Families:** Transmembrane

**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 RG234353