

## Product datasheet for **SC333058**

### ACBD5 (NM\_001271512) Human Untagged Clone

#### Product data:

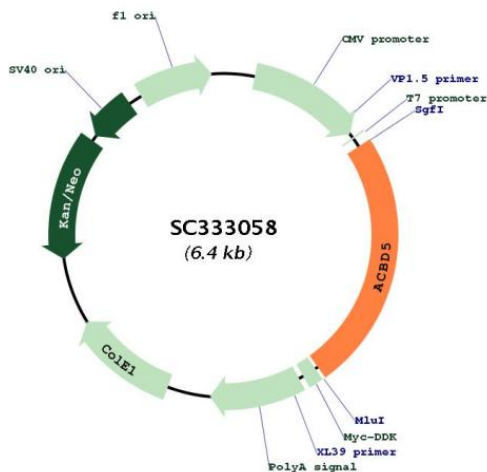
**Product Type:** Expression Plasmids  
**Product Name:** ACBD5 (NM\_001271512) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ACBD5  
**Synonyms:** RDLKD  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333058 representing NM\_001271512.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGTTCCAGTTTCATGCAGGCTCTGGGAAAGCTGGTGCTGCTGCTGCCTGATTCCCGCCGACAGACCT
TGGGACCGGGCCAACTGGCAGCTGGAGATGGCGGACACGAGATCCGTGCACGAGACTAGGTTTGAG
GCGGCCGTGAAGGTGATCCAGAGTTTGGCGAAGAATGGTTCATCCAGCCAACAAATGAAATGATGCTT
AAATTTTATAGCTTCTATAAGCAGGCAACTGAAGGACCCTGTAACCTTCAAGGCCTGGATTTGGGAT
CCTATTGGAAGATATAAATGGGATGCTTGGAGTTCAGTGGGTGATATGACCAAAGAGGAAGCCATGATT
GCATATGTTGAAGAAATGAAAAAGATTATTGAACTATGCCAATGACTGAGAAAGTTGAAGAATTGCTG
CGTGTCATAGGTCATTTTATGAAATTGTCGAGGACAAAAAGAGTGGCAGGAGTTCTGATATAACCTCA
GATCTTGGTAATGTTCTCACTTCTACTCAAAACGCCAAAACCGTTAATGGTAAAGCTGAAAGCAGTGAC
AGTGGAGCCGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTAAAAGGAGCAGAACAAGTGATAATGAT
AAGAAAATGATGAAGAAGTCAGCAGACCATAAGAATTTGGAAGTCATTGTCACTAATGGCTATGATAAA
GATGGCTTTGTTGAGGATACAGAATGACATTCATGCCAGTTCCTCCCTGAATGGCAGAAGCACTGAA
GAAGTAAAGCCCATTGATGAAAACCTGGGGCAAACCTGGAAAATCTGCTGTTTGCATTACCAAGATATA
AATGATGATCATGTTGAAGATGTTACAGGAATTCAGCATTGACAAGCGATTGACAGTGAAGTTTAC
TGTGATTCTATGGAACAATTTGGACAAGAAGAGTCTTTAGACAGCTTTACGTCCAACAATGGACCATT
CAGTATTACTTGGTGGTCATTCAGTCAACCCATGGAAAATCTGGATTCGTGAAGATATTCAAGTA
CCTCCTGGAAATGGCAACATTGGGAATATGCAGGTGGTTGCAGTTGAAGGAAAAGGTGAAGTCAAGCAT
GGAGGAGAAGATGGCAGGAATAACAGCGGAGCACACCCGGGAGAAGCGAGGCGGAGAACTGACGAA
TTCTCTAATGTTAGAAGAGGAAGAGGACATAGGATGCAACACTTGAGCGAAGGAACCAAGGGCCGGCAG
GTGGGAAGTGGAGGTGATGGGGAGCGCTGGGGCTCCGACAGAGGGTCCCAGGCAGCCTCAATGAGCAG
ATCGCCCTCGTGCTGATGAGACTGCAGGAGGACATGCAGAATGTCCTTCAGAGACTGCAGAACTGGAA
ACGCTGACTGCTTTGAGGCAAAATCATCAACATCAACATTGCAGACTGCTCCTCAGCCACCTCACAG
AGACCATCTTGGTGGCCCTTCGAGATGTCTCCTGGTGTGCTAACGTTTCCATCATATGGCCTTTTATT
GCACAGTGGTGGTGTATTTATACTATCAAAGAAGGAGAAGAAAACCTGAACTGA
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001271512

**Insert Size:** 1572 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001271512.1](#)

**RefSeq Size:** 4185 bp

**RefSeq ORF:** 1572 bp

**Locus ID:** 91452

**Cytogenetics:** 10p12.1

**Protein Families:** Transmembrane

**MW:** 58.8 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]  
Transcript Variant: This variant (4) differs in the 5' UTR and 5' coding region, which results in translation initiation from an alternate start codon, compared to variant 1. The encoded isoform (3) has a shorter and distinct N-terminus, compared to isoform 1.