

## Product datasheet for **SC335995**

### ACBD5 (NM\_001301252) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD5 (NM_001301252) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACBD5
Synonyms:	RDLKD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335995 representing NM_001301252. Blue=Insert sequence Red=Cloning site Green=Tag(s)

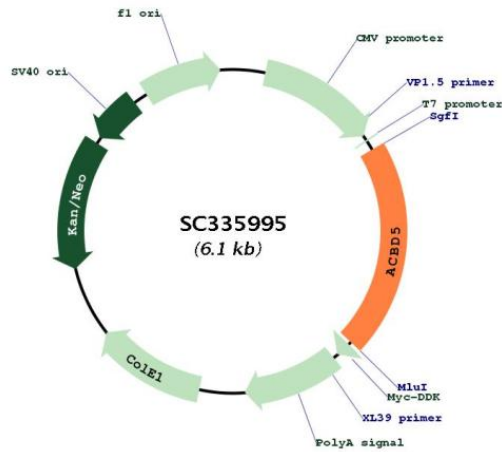
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCAAAGAGGAAGCCATGATTGCATATGTTGAAGAAATGAAAAAGATTATTGAACTATGCCAATG
ACTGAGAAAGTTGAAGAATTGCTGCGTGTATAGGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGT
GGCAGGAGTTCTGATATAACCTCAGATCTTGTAATGTTCTCACTTCTACTCCAAACGCCAAAACCGTT
AATGGTAAAGCTGAAAGCAGTGACAGTGGAGCCGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTGAAA
GGAGCAGAACAAAGTGATAATGATAAGAAAATGATGAAGAAGTCAGCAGACCATAAGAATTTGGAAGTC
ATTGTCACTAATGGCTATGATAAAGATGGCTTTGTTTCAGGATATACAGAATGACATTCATGCCAGTTCT
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GCTGTTTGCATTCACCAAGATATAAATGATGATCATGTTGAAGATGTTACAGGAATTCAGCATTTGACA
AGCGATTACAGACAGTGAAGTTTACTGTGATTCTATGGAACAATTTGGACAAGAAGAGTCTTTAGACAGC
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AAGCGAGGCGGAGAACTGACGAATCTCTAATGTTAGAAGAGGAAGAGGACATAGGATGCAACACTTG
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TCCCAGGCAGCCTCAATGAGCAGATCGCCCTCGTGCTGATGAGACTGCAGGAGGACATGCAGAATGTC
CTTCAGAGACTGCAGAACTGGAACGCTGACTGCTTTGCAGGCAAAAATCATCAACATCAACATTGCAG
ACTGCTCCTCAGCCACCTCACAGAGACCATCTTGGTGGCCCTTCGAGATGTCTCCTGGTGTGCTAACG
TTTGCCATCATATGGCCTTTTATTGCACAGTGGTGGTGTATTTACTATCAAAGAAGGAGAAGAAAA
CTGAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```



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Restriction Sites: SgfI-MluI

**Plasmid Map:**



ACCN: NM\_001301252

Insert Size: 1251 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\\_001301252.1](#)

RefSeq Size: 4064 bp

RefSeq ORF: 1251 bp

Locus ID: 91452

UniProt ID: [Q5T8D3](#)

Cytogenetics: 10p12.1

Protein Families: Transmembrane

**MW:** 46.3 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 (7) differs in the 5' UTR, lacks part of the 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (4) has a shorter N-terminus, compared to isoform 1. Variants 3, 5, 7, 23, and 24 all encode the same isoform (4).