

## Product datasheet for SC335520

### ACBD5 (NM\_001301254) Human Untagged Clone

#### Product data:

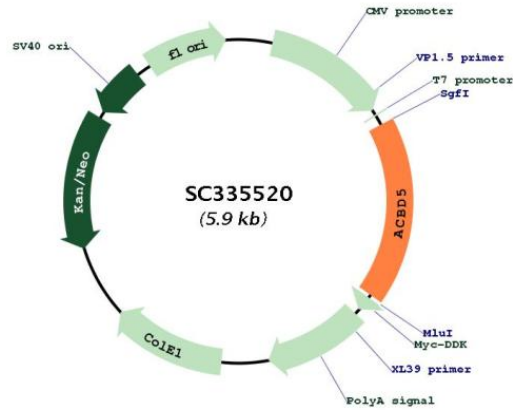
Product Type:	Expression Plasmids
Product Name:	ACBD5 (NM_001301254) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACBD5
Synonyms:	RDLKD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335520 representing NM_001301254. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCAAAGAGGAAGCCATGATTGCATATGTTGAAGAAATGAAAAAGATTATTGAACTATGCCAATG
ACTGAGAAAGTTGAAGAATTGCTGCGTGTATAGGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGT
GGCAGGAGTTCTGATATAACCTCAGATCTTGGTAATGTTCTCACTTCTACTCCAAACGCCAAAACCGTT
AATGGTAAAGCTGAAAGCAGTGACAGTGGAGCCGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTGAAA
GGAGCAGAACAAGTGATAATGATATAAATGATGATCATGTTGAAGATGTTACAGGAATTCAGCATTG
ACAAGCGATTGACAGTGAAGTTTACTGTGATTCTATGGAACAATTTGGACAAGAAGAGTCTTTAGAC
AGCTTTACGTCCAACAATGGACCATTTTCAGTATTACTTGGGTGGTCATTCCAGTCAACCCATGGAAAAT
TCTGGATTTCTGGAAGATATTCAAGTACCTCCTGGAAATGGCAACATTGGGAATATGCAGGTGGTTGCA
GTTGAAGGAAAAGGTGAAGTCAAGCATGGAGGAGAAGATGGCAGGAATAACAGCGGAGCACCACACCCGG
GAGAAGCGAGGCGGAGAACTGACGAATTTCTCTAATGTTAGAAGAGGAAGAGGACATAGGATGCAACAC
TTGAGCGAAGGAACCAAGGGCCGGCAGGTGGGAAGTGGAGGTGATGGGGAGCGCTGGGGCTCCGACAGA
GGGTCCGAGGCAGCCTCAATGAGCAGATCGCCCTCGTCTGATGAGACTGCAGGAGGACATGCAGAAAT
GTCCTTCAGAGACTGCAGAACTGGAAACGCTGACTGCTTTCAGGCAAAATCATCAACATCAACATTG
CAGACTGCTCCTCAGCCACCTCAGAGACCATCTTGGTGGCCCTTCGAGATGTCTCTGGTGTGCTA
ACGTTTGGCCATCATATGGCCTTTTATTGCACAGTGGTTGGTGTATTATCTATCAAAGAAGGAGAAGA
AAACTGAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001301254

**Insert Size:** 1047 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\\_001301254.1](#)

**RefSeq Size:** 3860 bp

**RefSeq ORF:** 1047 bp

**Locus ID:** 91452

**Cytogenetics:** 10p12.1

**Protein Families:** Transmembrane

**MW:** 38.8 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 (6) differs in the 5' UTR, lacks part of the 5' coding region, lacks an in-frame exon in the central coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (5) is shorter, compared to isoform 1.