

## Product datasheet for **RC237626**

### ACBD5 (NM\_001301254) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACBD5 (NM\_001301254) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ACBD5  
**Synonyms:** RDLKD  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237626 representing NM\_001301254  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACCAAAGAGGAAGCCATGATTGCATATGTTGAAGAAATGAAAAGATTATTGAACTATGCCAATGA  
CTGAGAAAAGTTGAAGAATTGCTGCGTGCATAGGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGTGG  
CAGGAGTTCTGATATAACCTCAGATCTTGGTAATGTTCTCACTTCTACTCAAACGCCAAAACCGTTAAT  
GGTAAAGCTGAAAGCAGTGACAGTGGAGCCGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTGAAAGGAG  
CAGAACAAGTGATAATGATATAAATGATGATCATGTTGAAGATGTTACAGGAATTCAGCATTTGACAAG  
CGATTCAGACAGTGAAGTTACTGTGATTCTATGGAACAATTTGGACAAGAAGAGTCTTTAGACAGCTTT  
ACGTCCAACAATGGACATTTTCAGTATTACTTGGGTGGTCATTCCAGTCAACCCATGGAAAATTTCTGGAT  
TTCGTGAAGATATTCAAGTACCTCCTGGAAATGGCAACATTGGGAATATGCAGGTGGTTGCAGTTGAAGG  
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GGCGGAGAAAAGTACGAATTTCTAATGTTAGAAGAGGAAGAGGACATAGGATGCAACACTTGAGCGAAG  
GAACCAAGGGCCGCGAGGTGGGAAGTGGAGGTGATGGGAGCGCTGGGGCTCCGACAGAGGTTCCCGAGG  
CAGCCTCAATGAGCAGATCGCCCTCGTGTGATGAGACTGCAGGAGGACATGCAGAATGTCTTCAGAGA  
CTGCAGAAAAGTGGAAACGCTGACTGCTTTGCAAGCAAAATCATCAACATCAACATTGCAGACTGCTCCTC  
AGCCACCTCACAGAGACCATCTTGGTGGCCCTTCGAGATGTCTCCTGGTGTGCTAACGTTTGCCATCAT  
ATGGCCTTTTATTGCACAGTGGTGGTGTATTTACTATCAAAGAAGGAGAAGAAAAGTGAAC

**ACGGT**ACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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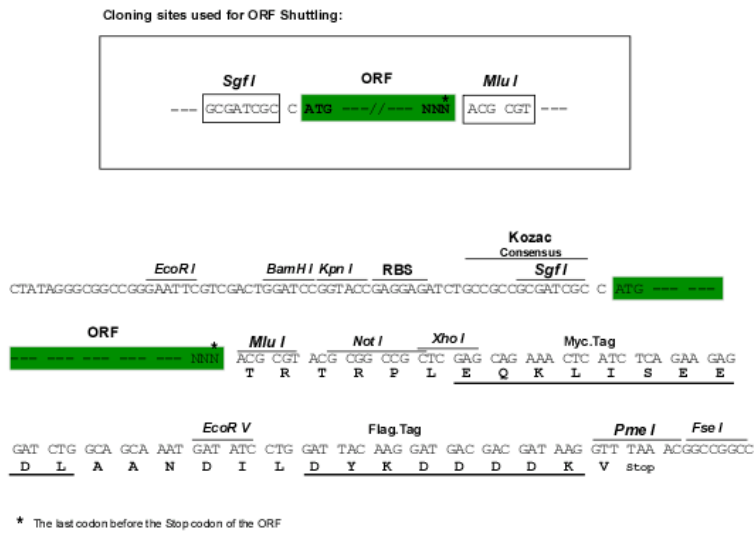
**Protein Sequence:** >RC237626 representing NM\_001301254  
 Red=Cloning site Green=Tags(s)

MTKEEAMIAYVEEMKKIIETMPMTEKVEELLRVIGPFYEIVEDKKSGRSSDITSDLGNVLTSTPNAKTVN  
 GKAESSDSGAESEEEEAQEEVKGAEQSDNDINDDHVEDVTGIQHLTSDSDSEVYCDMEQFGQEEESLDSF  
 TSNNGPFQYYLGGHSSQPMENSGFREDIQVPPGNIGNMNVVAVEGKGEVKHGGEDGRNNSGAPHREKR  
 GGGETDEFNVRGRGRHRMQHLSEGTKGRQVYVGGDGERWGSDRGSRGSLNEQIALVLMRLQEDMQNVLQR  
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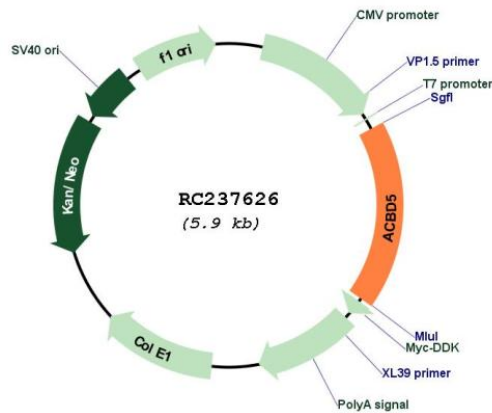
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001301254

**ORF Size:** 1044 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001301254.2</a>
<b>RefSeq Size:</b>	3860 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	91452
<b>Cytogenetics:</b>	10p12.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	39.2 kDa
<b>Gene Summary:</b>	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]