

## Product datasheet for **RC229268**

### ACBD5 (NM\_145698) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD5 (NM_145698) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ACBD5
Synonyms:	RDLKD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC229268 representing NM\_145698  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTCTTCTCTCGTTTCATGCAGGCTCTTGGGAAAGCTGGTGTGCTGCTGCCTGATTCCCGCCGACA  
 GACCTTGGGACCGGGCCAACTGGCAGCTGGAGATGGCGGACACGAGATCCGTGCACGAGACTAGGTT  
 TGAGGCGGCCGTGAAGGTGATCCAGAGTTTGCCGAAGAATGGTTCATTCCAGCCAACAAATGAAATGATG  
 CTTAAATTTTATAGCTTCTATAAGCAGGCAACTGAAGGACCTGTAACTTTCAAGGCTGGATTTTGGG  
 ATCCTATTGGAAGATATAAATGGGATGCTTGGAGTTCAGTGGGTGATATGACCAAAGAGGAAGCCATGAT  
 TGCATATGTTGAAGAAATGAAAAAGATTATTGAACTATGCCAATGACTGAGAAAGTTGAAGAATTGCTG  
 CGTGTATAGGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGTGGCAGGAGTTCTGATATAACCTCAG  
 ATCTTGGTAAATGTTCTCACTTCTACTCCAAACGCCAAAACCGTTAATGGTAAAGCTGAAAGCAGTGACAG  
 TGGAGCCGAGTCTGAGGAAGAAGAGGCCAAGAAGAAGTAAAGGAGCAGAACAAGTGATAATGATAAG  
 AAAATGATGAAGAAGTCAGCAGACCATAAGAATTTGGAAGTCATTGTCACTAATGGCTATGATAAAGATG  
 GCTTTGTTCCAGGATATACAGAATGACATTCATGCCAGTCTTCCCTGAATGGCAGAGCACTGAAGAAGT  
 AAAGCCCATTGATGAAAACCTGGGGCAAACCTGGAAAATCTGCTGTTTGCATTACCAAGATATAAATGAT  
 GATCATGTTGAAGATGTTACAGGAATTCAGCATTGACAAGCGATTGACAGAGTGAAGTTTACTGTGATT  
 CTATGGAACAATTTGGACAAGAAGATCTTTAGACAGCTTTACGTCCAACAATGGACCATTTTCAAGTATTA  
 CTTGGGTGGTCAATCCAGTCAACCCATGGAAAATCTGGATTTTCGTGAAGATATCAAGTACCTCCTGGA  
 AATGGCAACATTTGGGAATATGCAGGTGGTTCAGTTGAAGGAAAAGTGAAGTCAAGCATGGAGGAGAAG  
 ATGGCAGGAATAACAGCGGAGCACACACCGGGAGAAGCGAGGCGGAGAACTGACGAATTTCTAATGT  
 TAGAAGAGGAAGAGGACATAGGATGCAACACTTGAGCGAAGGAACCAAGGCGCGCAGGTGGGAAGTGGGA  
 GGTGATGGGGAGCGCTGGGGCTCCGACAGAGGGTCCCGAGGCAGCCTCAATGAGCAGATCGCCCTCGTGC  
 TGATGAGACTGCAGGAGGACATGCAGAATGTCCTTCAGAGACTGCAGAACTGGAACCGCTGACTGCTTT  
 GCAGGCAAAATCATCAACATCAACATTGCAGACTGCTCCTCAGCCACCTCACAGAGACCATCTTGGTGG  
 CCCTTCGAGATGTCTCCTGGTGTGCTAACGTTTGGCATCATATGGCCTTTTATTGCACAGTGGTGGTGT  
 ATTTATACTATCAAAGAAGGAGAAGAAAACCTGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC229268 representing NM\_145698  
 Red=Cloning site Green=Tags(s)

MLFLSFHAGSWESWCCCCLIPADRPWDRGQHWQLEMADTRSVHETRFEA AVKVIQSLPKNGSFQPTNEMM  
 LKFYSFYKQATEGPCKLSRPGFWDPIGRYKWDASSLGDMTKEEAMIAYVEEMKKI IETMPMTEKVEELL  
 RVIGPFYEVIEDKKSGRSSDITSDLGNVLTSTPNAKTVNGKAESSDGAEESEEEEAQEEVKGAEQSDNDK  
 KMMKKSADHKNLEIVITNGYDKDGFVQDIQNDIHASSSLNGRSTEEVKPIDENLQGTGKSAVCIHQDIND  
 DHVEDVTGIQHLTSDSDSEVYCDSEMQFGQEESLDSFTSNNGPFQYYLGGHSSQPMENSGFREDIQVPPG  
 NGNIGNMQVVAVEGKGEVKHGGEDGRNNSGAPHREKRGGTDEF SNVRRGRGRMQHLSEGTKGRQVGS  
 GDGERWGS DRGSRGSLNEQIALVLMRLQEDMQNVLQRLQKLETLTALQAKSSTSTLQTAPQPTSQRPSWW  
 PFEMSPGVLTFAIWPFIAQWL VYLYYQRRRRKLN

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_145698

**ORF Size:** 1575 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\\_145698.5](#)

**RefSeq ORF:** 1578 bp

**Locus ID:** 91452

**UniProt ID:** [Q5T8D3](#)

**Cytogenetics:** 10p12.1

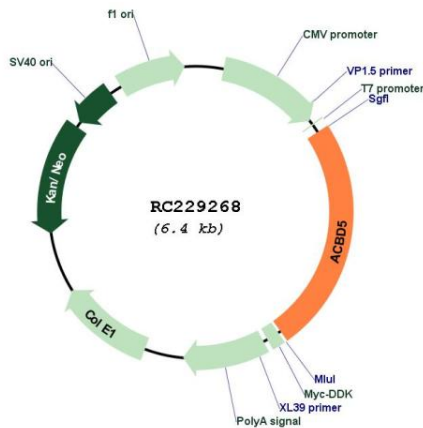
**Domains:** ACBP

**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]

**Product images:**



Circular map for RC229268