

Product datasheet for **RC238101**

ACBD5 (NM_001301252) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACBD5 (NM_001301252) 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: >RC238101 representing NM_001301252
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCAAAGAGGAAGCCATGATTGCATATGTTGAAGAAATGAAAAGATTATTGAACTATGCCAATGA
CTGAGAAAAGTTGAAGAATTGCTGCGTGCATAGGTCCATTTTATGAAATTGTCGAGGACAAAAGAGTGG
CAGGAGTTCTGATATAACCTCAGATCTTGGTAATGTTCTCACTTCTACTCAAACGCCAAAACCGTTAAT
GGTAAAGCTGAAAGCAGTGACAGTGGAGCCGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTGAAGGAG
CAGAACAAGTGATAATGATAAGAAAATGATGAAGAAGTCAGCAGACCATAAGAATTTGGAAGTCATTGT
CACTAATGGCTATGATAAAGATGGCTTTGTTTCAGGATATACAGAATGACATTCATGCCAGTTCTTCCCTG
AATGGCAGAAGCACTGAAGAAGTAAAGCCATTGATGAAAACCTGGGGCAAACCTGAAAAATCTGCTGTT
GCATTCACCAAGATATAAATGATGATCATGTTGAAGATGTTACAGGAATTCAGCATTGACAAGCGATT
AGACAGTGAAGTTTACTGTGATTCTATGGAACAATTTGGACAAGAAGAGTCTTTAGACAGCTTTACGTCC
AACAAATGGACATTTTCAGTATTACTTGGTGGTTCATTCCAGTCAACCCATGGAAAATCTGGATTTCTGTG
AAGATATTCAAGTACCTCCTGGAATGGCAACATTGGGAATATGCAGGTGGTTGCAGTTGAAGGAAAAGG
TGAAGTCAAGCATGGAGGAGAAGATGGCAGGAATAACAGCGGAGCACACACCGGGAGAAGCGAGGCGGA
GAAACTGACGAATTTCTAATGTTAGAAGAGGAAGAGGACATAGGATGCAACACTTGAGCGAAGGAACCA
AGGGCCGGCAGGTGGGAAGTGGAGGTGATGGGAGCGCTGGGGCTCCGACAGAGGGTCCCAGGCAGCCT
CAATGAGCAGATCGCCCTCGTGTGATGAGACTGCAGGAGGACATGCAGAATGTCCTTCAGAGACTGCAG
AAACTGAAAACGCTGACTGCTTTGCAGGCAAAATCATCAACATCAACATTGCAGACTGCTCCTCAGCCCA
CCTCACAGAGACCATCTGGTGGCCCTTCGAGATGTCTCCTGGTGTGCTAACGTTTGCCATCATATGGCC
TTTTATTGCACAGTGGTGGTGTATTTACTATCAAAGAAGGAGAAGAAAACCTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC238101 representing NM_001301252
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MTKEEAMIAAYVEEMKKIIETMPMTEKVEELLRVIGPFYEIVEDKKSGRSSDITSDLGNVLTSTPNAKTVN
 GKAESSDSGAESEEEEAQEEVKGAEQSDNDKMMKKSADHKNLEVIVTNGYDKDFVQDIQNDIHASSL
 NGRSTEEVKPIDENLQGTGKSAVCIHQDINDDHVEDVTGIQHLTSDSDSEVYCDMEQFGQEEESLDSFTS
 NNGPFFQYYLGGHSSQPMENSGFREDIQVPPGNGNIGNMQVVAVEGKGEVKHGGEDGRNNSGAPHREKRGG
 ETDEFSNVRRGRGHRMQHLSEGTKGRQVGSDDGERWGS DRGSRGSLNEQIALVLMRLQEDMQNVLQRLQ
 KLETLTALQAKSSTLQTAPQPTSQRPSWPFEMSPGVLTFAIWPFIAQWL VYLYYQRRRRKLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

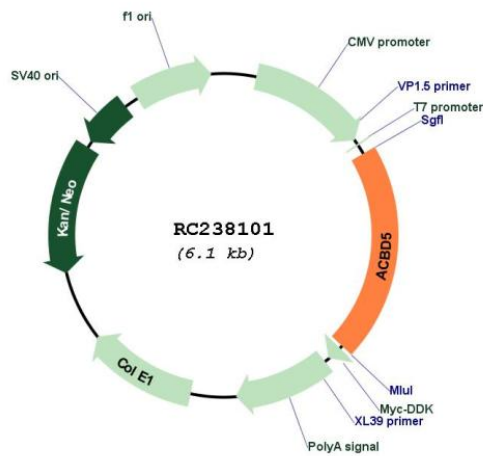
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001301252

ORF Size:	1248 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:	<ol style="list-style-type: none">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_001301252.2
RefSeq Size:	4064 bp
RefSeq ORF:	1251 bp
Locus ID:	91452
UniProt ID:	Q5T8D3
Cytogenetics:	10p12.1
Protein Families:	Transmembrane
MW:	46.7 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]