

Product datasheet for **SC100199**

ACBD5 (NM_145698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD5 (NM_145698) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACBD5
Synonyms:	RDLKD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100199 sequence for NM_145698 edited (data generated by NextGen Sequencing)

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ATGCTCTTCTCTCGTTTCATGCAGGCTCTTGGGAAAGCTGGTGTCTGCTGCCTGATT
CCCGCCGACAGACCTTGGGACCGGGGCCAACACTGGCAGCTGGAGATGGCGGACACGAGA
TCCGTGCACGAGACTAGGTTTGGGGCCCGTGAAGGTGATCCAGAGTTTGCCGAAGAAT
GGTTCATTCCAGCCAACAATGAAATGATGCTTAAATTTTATAGCTTCTATAAGCAGGCA
ACTGAAGACCCTGTAACTTTCAAGGCCTGGATTTGGGATCCTATTGGAAGATATAAA
TGGGATGCTTGGAGTTCCTGGGTGATATGACCAAAGAGGAAGCCATGATTGCATATGTT
GAAGAAATGAAAAAGATTATTGAAACTATGCCAATGACTGAGAAAAGTTGAAGAATTGCTG
CGTGTCATAGGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGTGGCAGGAGTTCTGAT
ATAACCTCAGATCTTGGTAATGTTCTCACTTCTACTCCGAACGCCAAAACCGTTAATGGT
AAAGCTGAAAGCAGTGACAGTGGAGCCGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTG
AAAGGAGCAGAACAAAGTGATAATGATAAGAAAATGATGAAGAAGTCAGCAGACCATAAG
AATTTGGAAGTCATTGTCACTAATGGCTATGATAAAGATGGCTTTGTTCCAGGATATACAG
AATGACATTCATGCCAGTCTTCCCTGAATGGCAGAAGCACTGAAGAAGTAAAGCCCAT
GATGAAAACCTGGGGCAAACCTGAAAATCTGCTGTTTGATTACCAAGATATAAATGAT
GATCATGTTGAAGATGTTACAGGAATTCAGCATTGACAAGCGATTACAGACAGTGAAGTT
TACTGTGATTCTATGGAACAATTTGGACAAGAAGTCTTTAGACAGCTTTACGTCCAAC
AATGGACATTTTCACTTACTTGGGTGGTCAATCCAGTCAACCCATGAAAAATCTGGA
TTTCGTGAAGATATTCAAGTACCTCCTGGAAATGGCAACATTTGGGAATATGCAGGTGGTT
GCAGTTGAAGGAAAAGGTGAAGTCAAGCATGGAGGAGAAGATGGCAGGAATAACAGCGGA
GCACCACACCGGGAAGCGAGGCGGAGAACTGACGAATCTCTAATGTTAGAAGAGGA
AGAGGACATAGGATGCAACACTTGAGCGAAGGAACCAAGGGCCGCGAGGTGGGAAGTGA
GGTGATGGGAGCGCTGGGGCTCCGACAGAGGGTCCCGAGGCAGCCTCAATGAGCAGATC
GCCCTCGTGTGATGAGACTGCAGGAGGACATGCAGAATGTCCTTCAGAGACTGCAGAAA
CTGAAAACGCTGACTGCTTTCAGGCAAAATCATCAACATCAACATTGCAGACTGCTCCT
CAGCCCACCTCACAGAGACCATCTTGGTGGCCCTTCGAGATGTCTCCTGGTGTGCTAACG
TTTGCCATCATATGGCCTTTTATTGCACAGTGGTGGTGTATTTACTATCAAAGAAGG
AGAAGAAAACCTGAACTGA
    
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Clone variation with respect to NM_145698.3
519 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_145698 unedited

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NNGGGGTGCAACATTTTGAATACGACTCACTATAGGGCGGCCGAAATTCGCACGAGG
CTGTCTTCTGCTAGACATGCTCTTCTCTCGTTTCATGCAGGCTCTTGGGAAAGCTGGTG
CTGCTGCTGCCTGATTTCCCGCCGACAGACCTTGGGACCGGGGCCAACACTGGCAGCTGGA
GATGGCGGACACGAGATCCGTGCACGAGACTAGGTTTGGGCGGCCGTGAAGGTGATCCA
GAGTTTGGCGAAGAATGTTTTCATTCCAGCCAACAATGAAATGATGCTTAAATTTTATAG
CTTCTATAAGCAGGCAACTGAAGGACCCTGAAACTTTCAAGGCCTGGATTTTGGGATCC
TATTGGAAGATATAAATGGGATGCTTGGAGTTCCTGGGTGATATGACCAAAGAGGAAGC
CATGATTGCATATGTTGAAGAAATGAAAAAGATTATTGAAACTATGCCAATGACTGAGAA
AGTTGAAGAATTGCTGCGTGTGATAGGTCCATTTTATGAAATTGTCGAGGACAAAAAGAG
TGGCAGGAGTTCTGATATAACCTCAGATCTTGGTAATGTTCTCACTTCTACTCCGAACGC
CAAACCGTTAATGGTAAAGCTGAAAGCAGTGACAGTGGAGCCGAGTCTGAGGAAGAAGA
GGCCCAAGAAGAAGTGAAGGAGCAGAACANAGTGATAATGATAAAGAAAATGATGAAGAA
GTCAGCAGACCATAAGAATNTGGAAGTCATTGTCACTAATGGCTATGATNAAGAATGGCT
TTGTTCCAGGATATACAGAATGACATTCATGCCAGNNTCTTCCCTGAATGGCAGAAGCACT
GAAGAAGTAAAGCCCATTTGATGAAAAACTGGGGCAAACCTGGNAAATCTGCTGTTTGCATT
CACAAATAAATGATGATCATGNTGGAGATGTT
    
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Restriction Sites: NotI-NotI

ACCN:	NM_145698
Insert Size:	4500 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:	<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_145698.1 , NP_663736.1
RefSeq Size:	3993 bp
RefSeq ORF:	1473 bp
Locus ID:	91452
UniProt ID:	Q5T8D3
Cytogenetics:	10p12.1
Domains:	ACBP
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>