

Product datasheet for **RG238100**

ACBD5 (NM_001301251) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD5 (NM_001301251) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ACBD5
Synonyms:	RDLKD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238100 representing NM_001301251. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACCAAAGAGGAAGCCATGATTGCATATGTTGAAGAAATGAAAAAGATTATTGAAACTATGCCAATG
ACTGAGAAAGTTGAAGAATTGCTGCGTGT CATAGGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGT
GGCAGGAGTTCTGATATAACCTCAGATCTTGTAATGTTCTCACTTCTACTCCAAACGCCAAAACCGTT
AATGGTAAAGCTGAAAGCAGTGACAGTGGAGCCGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTGAAA
GGAGCAGAACAAGTGATAATGATAAGAAAATGATGAAGAAGTCAGCAGACCATAAGAATTTGGAAGTC
ATTGTCACTAATGGCTATGATAAAGATGGCTTTGTT CAGGATATACAGAATGACATTCATGCCAGTTCT
TCCCTGAATGGCAGAAGCACTGAAGAAGTAAAGCCCATTTGATGAAAACCTGGGGCAAACGGAAAATCT
GCTGTTTGCATTCACCAAGATATAAATGATGATCATGTTGAAGATGTTACAGGAATTCAGCATTTGACA
AGCGATTCCAGACAGTGAAGTTTACTGTGATTCTATGGAACAATTTGGACAAGAAGAGTCTTTAGACAGC
TTTACGTCCAACAATGGACCATTTCAGTATTACTTGGGTGGTCATTCCAGTCAACCCATGGAAAATCT
GGATTTTCGTGAAGATATTC AAGTACCTCCTGGAATGGCAACATTGGGAATATGCAGGTGGTTGCAGTT
GAAGGAAAAGGTGAAGTCAAGCATGGAGGAGAAGATGGCAGGAATAACAGCGGAGCACCACCCGGGAG
AAGCGAGGCGGAGAAAAC TGACGAATCTCTAATGTTAGAAGAGGAAGAGGACATAGGATGCAACACTTG
AGCGAAGGAACCAAGGGCCGCGCAGTGGGAAGTGGAGGTGATGGGAGCGCTGGGGCTCCGACAGAGGG
TCCCGAGGCAGCCTCAATGAGCAGATCGCCCTCGTGTGATGAGACTGCAGGAGGACATGCAGAATGTC
CTTCAGAGACTGCAGAAAAC TGAAAACGCTGACTGCTTTGCAGGCAAAAATCATCAACATCAACATTGCAG
ACTGCTCCTCAGCCACCTCACAGAGACCATCTTGGTGGCCCTTCGAGATGTCTCCTGGTGTGCTAACG
TTTGCCATCATATGGCCTTTTATTGCACAGTGGTGGTGTATTTACTATCAAAGAAGGAGAAGAAAA
CTGAAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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Protein Sequence: >Peptide sequence encoded by RG238100
 Blue=ORF Red=Cloning site Green=Tag(s)

MTKEEAMIAYVEEMKKIIETMPMTEKVEELLRVIGPFYEIVEDKKSGRSSDITSDLGNVLTSTPNAKTV
 NGKAESSDSGAEESEEEAQEEVKGAEQSDNDKKMMKKSADHKNLEIVTNGYDKDGFVQDIQNDIHASS
 SLNGRSTEEVKPIDENLQGTGKSAVCIHQDINDDHVEDVTGIQHLTSDSDSEVYCDMEQFGQEEGLDS
 FTSNNGPFQYYLGGHSSQPMENSGFREDIQVPPGNGNIGNMQVVAVEGKGEVKHGGEDGRNNSGAPHRE
 KRGGGETDEF SNVRRGRGRHRMQHLSEGTKGRQVGSGGDGERWGS DRGSRGSLNEQIALVLMRLQEDMQNV
 LQRLQKLELTALQAKSSTLQTPAQPTSQRPSWPFEMSPGLTFAIIWPFIAQWL VYLYYQRRRRK
 LN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001301251

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).

RefSeq: [NM_001301251.2](#)

RefSeq Size: 3750 bp

RefSeq ORF: 1251 bp

Locus ID: 91452

UniProt ID: [Q5T8D3](#)

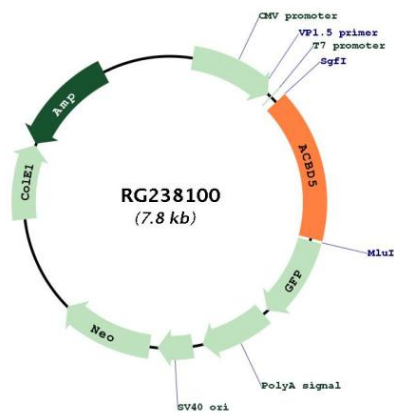
Cytogenetics: 10p12.1

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]

Product images:



Circular map for RG238100