

Product datasheet for **RG229268**

ACBD5 (NM_145698) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACBD5 (NM_145698) 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)



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ORF Nucleotide Sequence:

>RG229268 representing NM_145698
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCTTCTCTCGTTTCATGCAGGCTCTTGGGAAAGCTGGTGTCTGCTGCCTGATTCCCGCCGACA
 GACCTTGGGACCGGGCCAACTGGCAGCTGGAGATGGCGGACACGAGATCCGTGCACGAGACTAGGTT
 TGAGGCGGCCGTGAAGGTGATCCAGAGTTTGCCGAAGAATGGTTCATTCCAGCCAACAAATGAAATGATG
 CTTAAATTTTATAGCTTCTATAAGCAGGCAACTGAAGGACCCTGTAACTTTCAAGGCCTGGATTTTGGG
 ATCCTATTGGAAGATATAAATGGGATGCTTGGAGTTCCTGGGTGATATGACCAAAGAGGAAGCCATGAT
 TGCATATGTTGAAGAAATGAAAAAGATTATTGAACTATGCCAATGACTGAGAAAGTTGAAGAATTGCTG
 CGTGTCTAGGTCCATTTTATGAAATTGTCGAGGACAAAAAGAGTGGCAGGAGTTCTGATATAACCTCAG
 ATCTTGGTAATGTTCTCACTTCTACTCAAACGCCAAAACCGTTAATGGTAAAGCTGAAAGCAGTGACAG
 TGGAGCCGAGTCTGAGGAAGAAGAGGCCCAAGAAGAAGTAAAGGAGCAGAACAAGTGATAATGATAAG
 AAAATGATGAAGAAGTCAGCAGACCATAAGAATTTGGAAGTCATTGTCACTAATGGCTATGATAAAGATG
 GCTTTGTTCCAGGATATACAGAATGACATTCATGCCAGTCTTCCCTGAATGGCAGAACACTGAAGAAGT
 AAAGCCCATTGATGAAAACCTGGGGCAAACCTGGAAAATCTGCTGTTTGCATTACCAAGATATAAATGAT
 GATCATGTTGAAGATGTTACAGGAATTCAGCATTGACAAGCGATTGACAGAGTGAAGTTTACTGTGATT
 CTATGGAACAATTTGGACAAGAAGATCTTTAGACAGCTTTACGTCCAACAATGGACCATTTTCAAGTATTA
 CTTGGGTGGTCAATCCAGTCAACCCATGGAAAATCTGGATTTTCGTGAAGATTTCAAGTACCTCCTGGA
 AATGGCAACATTTGGGAATATGCAGGTGGTTCAGTTGAAGGAAAAGGTGAAGTCAAGCATGGAGGAGAAG
 ATGGCAGGAATAACAGCGGAGCACACCCGGGAGAAGCGAGGCGGAGAACTGACGAATTTCTAATGAT
 TAGAAGAGGAAGAGGACATAGGATGCAACACTTGAGCGAAGGAACCAAGGCGCGCAGGTGGGAAGTGA
 GGTGATGGGAGCGCTGGGGCTCCGACAGAGGGTCCCGAGGCAGCCTCAATGAGCAGATCGCCCTCGTGC
 TGATGAGACTGCAGGAGGACATGCAGAATGTCCTTCAGAGACTGCAGAACTGGAAACGCTGACTGCTTT
 GCAGGCCAAAATCATCAACATCAACATTGCAGACTGCTCCTCAGCCACCTCACAGAGACCATCTTGGTGG
 CCCTTCGAGATGTCTCTGGTGTGCTAACGTTTGGCATCATATGGCCTTTTATTGCACAGTGGTGGTGT
 ATTTATACTATCAAAGAAGGAGAAGAAAACCTGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG229268 representing NM_145698
 Red=Cloning site Green=Tags(s)

MLFLSFHAGSWESWCCCCLIPADRPWDRGQHWQLEMADTRSVHETRFEEAVKVIQSLPKNGSFQPTNEMM
 LKFYSFYKQATEGPCKLSRPGFWDPIGRYKWDASSLGDMTKEEAMIAYVEEMKKIETMPMTEKVEELL
 RVIGPFYEIVEDKKSGRSSDITSDLGNVLTSTPNAKTVNGKAESSDSGAESEEEEEAQEEVKGAEQSDNDK
 KMMKKSADHKNLEIVTNGYDKDGFVQDIQNDIHASSSLNGRSTEEVKPIDENLGQTGKSAVCIHQDIND
 DHVEDVTGIQHLTSDSDSEVYCDSEMFQGEESLDSFTSNNGPFQYYLGGHSSQPMENSGFREDIQVPPG
 NGNIGNMQVVAVEGKGEVKHGGEDGRNNSGAPHREKRGGETDEF SNVRRGRGRMQHLSEGTKGRQVGS
 GDGERWGS DRGSRGSLNEQIALVLMRLQEDMQNVLQRLQKLETLTALQAKSSTSTLQTAPQPTSQRPSWW
 PFEMSPGVLTFAIIWPFIAQWL VYLYYQRRRRKLN

TRTRPLE - GFP Tag - V

Restriction Sites:

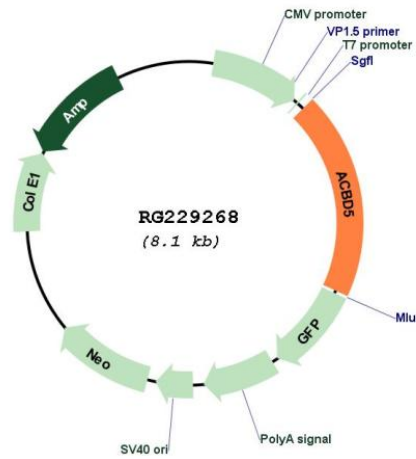
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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:	<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_145698.5
RefSeq Size:	3993 bp
RefSeq ORF:	1578 bp
Locus ID:	91452
UniProt ID:	Q5T8D3
Cytogenetics:	10p12.1
Domains:	ACBP
Protein Families:	Transmembrane
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]