

Product datasheet for **RG226556**

ACBD4 (NM_001135706) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACBD4 (NM_001135706) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ACBD4
Synonyms: HMFT0700
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG226556 representing NM_001135706
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCACCGAGAAAGAAAGCCAGAGCCCGACTGCCAGAAACAGTTCAGGCTGCAGTGAGCGTCATCC
 AGAACCTGCCAAGAACGGTTCTTACCGCCCTCCTATGAAGAGATGCTGCGATTCTACAGTTACTACAA
 GCAGGCCACCATGGGGCCCTGCCTGGTCCCCCGCCGGGTTCTGGACCCATTGGACGATATAAGTGG
 GACGCTTGAACAGTCTGGCAAGATGAGCAGGGAGGAGGCCATGTCTGCCTACATCACTGAAATGAAAC
 TGGTGGCACAGAAGGTGATCGACACAGTGCCCTGGGTGAGGTGGCAGAGGACATGTTTGGTTACTTCGA
 GCCCTGTACCAGGTGATCCCTGACATGCCGAGGCCCCAGAGACCTTCTGAGAAGGGTCACAGGTTGG
 AAAGAGCAGGTTTGAATGGAGATGTTGGGGCTGTTTCAGAGCCTCCCTGCCTCCCAAGGAACCGGCAC
 CCCAAGCCAGCTTCCCTCTGGGCAGTAACTCTACCAACCCCTCCACAGAGTCCCATTCACCCAGGGAC
 CTGGACTCCGAGGTTTTCTGTGATTCCTGGAGCAGCTGGAGCCTGAGCTGGTTTGGACAGAGCAGCGGG
 CAGCATCTGGAGGAAAGCGTGATCCAGGAACAGCCCGTGCCCCCACAAAGAAAGAGGGGTTGCCGGG
 CAGCCCGCCGGGGCCCAAGGAGTTGGACGTGTGGCTGCTGGGGACAGTTCGAGCACTACAGGAGAGCATG
 CAGGAGGTGCAGGCGAGGGTGCAGAGCCTGGAGAGCATGCCCGGCCCTGAGCAGAGGCCGAGCCCA
 GGCCCAGTGCTCGGCCATGGCCCTTGGGCTCCCGGGCCCGCTGCTTCTTCTCCTGTGGCCCTT
 CGTCGTCCAGTGGCTCTTCCGAATGTTTCGGACCCAAAAGAGGTGACTGTGAGTGGAGGGTCTCTGCAG
 CCAACTGAGACTATCTTGCTGTGCCCTGAGCCTTCTAGGGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG226556 representing NM_001135706
 Red=Cloning site Green=Tags(s)

MGTEKESPEPDCQKQFQAAVSVIQNLPKNGSYRPSYEEMLRFYSYKQATMGPCLVPRPGFWDPIGRYKW
 DAWNLSLGMKMSREEAMSAYITEMKLVQKVIDTVPLGEVAEDMFGYFEPL YQVIPDMPPPETFLRRVTGW
 KEQVYNGDVGVAVSEPPCLPKEPAPPSPASLWAVTLPTPPQSPIHPGTWTPRF SVIPWSSWLSWFGQSSG
 QHLEESVIPGTAPCPPQKRKGC GAARRGPRSWTCGCWQGF EHYRRACRRCRRGCRAWRACPGPLSRGRSP
 GPVLGHGPLGSRGPRCSSSSSCG PSSSSGSECFGPKRGDCQWRGLCSQLRLSCCALSLPRV

TRTRPLE - GFP Tag - V

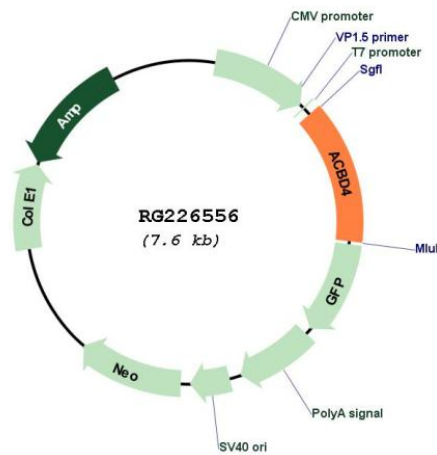
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001135706

ORF Size: 1023 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_001135706.3
RefSeq Size:	1932 bp
RefSeq ORF:	1026 bp
Locus ID:	79777
UniProt ID:	Q8NC06
Cytogenetics:	17q21.31
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the acyl-coenzyme A binding domain containing protein family. All family members contain the conserved acyl-Coenzyme A binding domain, which binds acyl-CoA thiol esters. They are thought to play roles in acyl-CoA dependent lipid metabolism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]