

Product datasheet for **RG227776**

ACBD4 (NM_001135705) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ACBD4 (NM_001135705) 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: >RG227776 representing NM_001135705
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCACCGAGAAAGAAAGCCAGAGCCCGACTGCCAGAAACAGTTCCAGGCTGCAGTGAGCGTCATCC
 AGAACCTGCCAAGAACGGTTCTTACCGCCCTCCTATGAAGAGATGCTGCGATTCTACAGTTACTACAA
 GCAGGCCACCATGGGGCCCTGCCTGGTCCCCCGCCGGGTTCTGGGACCCATTGGACGATATAAGTGG
 GACGCCTGGAACAGTCTGGCAAGATGAGCAGGGAGGAGGCCATGTCTGCCTACATCACTGAAATGAAAC
 TGGTGGCACAGAAGGTGATCGACACAGTGCCCTGGGTGAGGTGGCAGAGGACATGTTTGGTTACTTCGA
 GCCCTGTACCAGGTGATCCCTGACATGCCGAGGCCCCAGAGACCTTCCTGAGAAGGGTCACAGTTGG
 AAAGAGCAGGTTGTGAATGGAGATGTTGGGGCTGTTTCAGAGCCTCCCTGCCTCCCAAGGAACCGGCAC
 CCCAAGCCCAGAGTCCCATTCACCCAGGGACCTGGACTCCGAGGTTTTCTGTGATTCCCTGGAGCAGCT
 GGAGCCTGAGCTGGTTTGGACAGAGCAGCGGCAGCATCTGGAGGAAAGCGTGATCCCAGGAACAGCCCC
 GTGCCCCCACAAGAAAGAGGGGTTGCGGGCAGCCCGCGGGGCCAGGAGTTGGACGTGTGGCTGC
 TGGGGACAGTTCGAGCACTACAGGAGAGCATGCAGGAGGTGCAGGCGAGGTTGCAGAGCCTGGAGAGCAT
 GCCCGGCCCCCTGAGCAGAGGCCCGAGCCAGGCCAGTGCTCGGCCATGGCCCTTGGCTCCCGGGG
 CCGCGCTGCTCTTCTCCTCCTGTGGCCCTTCGTCTCCAGTGGCTCTTCCGAATGTTTCGGACCCAAA
 AGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227776 representing NM_001135705
Red=Cloning site Green=Tags(s)

MGTEKESPEPDCQKQFQAAVSVIQNLPKNGSYRPSYEEMLRFYSSYYKQATMGPCLVPRPGFWDPIGRYKW
 DAWNLSLKGMSREEAMSAYITEMKLVQKVIDTVPLGEVAEDMFGYFEPL YQVIPDMPPPETFLRRVTGW
 KEQVYVNGDVAVSEPPCLPKPAPPSPESHSPRDL DSEVFCDSLEQLEPELVWTEQRAASGGKRDPRNSP
 VPPTKKEGLRGSPPGPQELDVWLLGTVRALQESMQEVQARVQSLESMPRPPEQRPQPRPSARPWPLGLPG
 PALLFLLWPFVVQWLF R MFRTQKR

TRTRPLE - GFP Tag - V

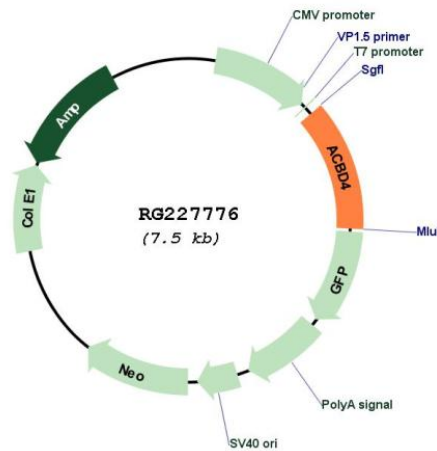
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001135705

ORF Size: 915 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_001135705.3
RefSeq Size:	1894 bp
RefSeq ORF:	918 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]