

## Product datasheet for **RG227288**

### ACBD4 (NM\_001135704) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ACBD4 (NM\_001135704) 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:** >RG227288 representing NM\_001135704  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCACCGAGAAAGAAAGCCAGAGCCGACTGCCAGAAACAGTTCAGGCTGCAGTGAGCGTCATCC  
 AGAACCTGCCAAGAACGGTTCTTACCGCCCTCCTATGAAGAGATGCTGCGATTCTACAGTTACTACAA  
 GCAGGCCACCATGGGGCCCTGCCTGGTCCCCGGCCGGGTTCTGGGACCCATTGGACGATATAAGTGG  
 GACGCTTGAACAGTCTGGCAAGATGAGCAGGGAGGAGGCCATGTCTGCCTACATCACTGAAATGAAAC  
 TGGTGGCACAGAAGGTGATCGACACAGTGCCCTGGGTGAGGTGGCAGAGGACATGTTTGGTTACTTCGA  
 GCCCTGTACCAGGTGATCCCTGACATGCCGAGGCCCCAGAGACCTTCTGAGAAGGGTACAGGTTGG  
 AAAGAGCAGGTTGTGAATGGAGATGTTGGGGCTGTTTCAGAGCCTCCCTGCCTCCCAAGGAACCGGCAC  
 CCCAAGCCAGCTTCCCTCTGGGCAGTAACTCTACCAACCCCTCCACAGAGTCCCATTCACCCAGGGAC  
 CTGGACTCCGAGGTTTTCTGTGATTCCTGGAGCAGCTGGAGCCTGAGCTGGTTTGGACAGAGCAGCGGG  
 CAGCATCTGGAGGAAAGCGTGATCCAGGAACAGCCCGTGCCCCACAAAGAAAGAGGGGTTGCCGGG  
 CAGCCCGCGGGGCCAGGAGTTGGACGTGTGGCTGCTGGGGACAGTTCGAGCACTACAGGAGAGCATG  
 CAGGAGGTGCAGGCGAGGTTGCAGAGCCTGGAGAGCATGCCCGGCCCTGAGCAGAGGCCGAGCCCA  
 GGCCCAAGTGTCTCGCCATGGCCCTTGGGCTCCCGGGCCCGCTGCTTCTTCTCTGTGGCCCT  
 CGTCGTCCAGTGGCTCTTCCGAATGTTTCGGACCCAAAAGAGGTGACTGTGAGTGGAGGGTCTCTGCAG  
 CCAACTGAGACTATCTTGTGTGCCCTGAGCCTTCTAGGGTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227288 representing NM\_001135704  
 Red=Cloning site Green=Tags(s)

MGTEKESPEPDCQKQFQAAVSVIQNLPKNGSYRPSYEMLRFYSYYKQATMGPCLVPRPGFWDPIGRYKW  
 DAWNLSLKGMSREEAMSAYITEMKLVQAQKVIDTVPLGEVAEDMFGYFEPL YQVIPDMPPPETFLRRVTGW  
 KEQVYNGDVGVAVSEPPCLPKEPAPPSPASLWAVTLPTPPQSPIHPGTWTPRF SVIPWSSWSLSWFGQSSG  
 QHLEESVIPGTAPCPPQKRKGC GAARRGPRSWTCGCWQGF EHYRRACRRCRRGCRAWRACPGPLSRGRSP  
 GPV LGHGPLGSRGPRCSSSSSCGPSSSSGSECFGPKRGDCQWRGLCSQLRLSCCALSLPRV

TRTRPLE - GFP Tag - V

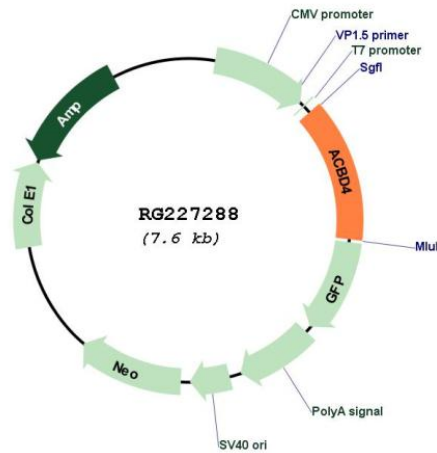
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001135704

**ORF Size:** 1023 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001135704.1</a> , <a href="#">NP_001129176.1</a>
<b>RefSeq Size:</b>	2057 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	79777
<b>Cytogenetics:</b>	17q21.31
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]