

## Product datasheet for **MG206300**

### **C730036D15Rik (BC010829) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C730036D15Rik (BC010829) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** C730036D15Rik  
**Synonyms:** C730036D15Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG206300 representing BC010829  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATCCAGTTGATAGCCACACCTTCAAATGCCCTTGTGGATGAGCCTGTGTCCATTCGAGCAACAGGCC  
 TGCCTCCATCGCAGATAGTGACCATCAAGGCAACAGTGAAAGATGAAAATGACAATGTGTTCCAATCCCA  
 AGCCTTCTACAAGACTAACGAGGCTGGTGGAGTGGACCTGGAGAAGACACCGGCTTTGGGGGTGACTAT  
 GTAGGGTCCACCAATGGCCCTTTTTCTCTCTGAAACCAAGAAGGCTTTCCATAGGCTGATGAAGA  
 AAGATGTGATGAACAGCCCCCTTGCATCTGTTTGGACCTGTACGACTCTGTTAACTGGTAGAAACAGT  
 CAGGATCCATCCAAGGCCAGCCAGAGAGTGCAGCGCTGGTTTGTGGCCCTGGGGTTAAGCGGGAACAG  
 ATCAAGAAGGTCGGGTTTCGGGGAGCCCTTTTTCTCCCTCCAGTTGAATTCGTGCAAGTCTTTTGGCAT  
 CCCACGGCTTTGCTGTGCTGGCATTGGCATATTTTGCCTATGAAGACCTGCCTGAGAAAACCAAGAGGT  
 GGACTTGGAGTATTTGAAGAAGCTGCTAACTTCTACTATCTCACCCCAAGATCCAACAGCCAGGAATT  
 GGTGTGATCTCCACGAGCAAAGGAGCAGAGATTGGGCTAGCTATGGCCTGTTACCTGAAGCAGGTGATTG  
 CCACAGTCTGCATAAATGGGCCACCACCATCACAACTCTCCCACTAAGATACCAGGATCTGGTATGAC  
 ACCAATCCATCCGGCTCTGGAACGGATCCAAGTCCATGATTGAGGGCTTTACTCTTCCGTTACTACTACA  
 CAATATCTCCATAATAAGCTGAACTCACAGAATATACTCCCGTGAAAAGGCCAGGGGAAAATCCTCT  
 TCATTGTGGGAGAGAATGATGAATGTTTGGATAGCAAGTTGCATGCACAGAAGGCCATGGACCGGCTCCA  
 GAGGCATGGAAGAAGCAGTGAAGGATGCTGGCATAACCCTGGGGCAGGCCACCTCATAGACCACCTTAT  
 TCTCCGTTTGTGTTGGCCTGGTTCCCTGTCCTGGGTCAACCCATGTGTTTGGAGGAGATCTCATGG  
 CTCACGCAGCAGCCAGGAACACTCCTGGAGAGAGATCCAAAAGTTCTTCAGGAAACACCTCCTTCAATC  
 CGGAAGCAAATC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG206300 representing BC010829  
 Red=Cloning site Green=Tags(s)

MIQLIATPSNALVDEPVSIRATGLPPSQIVTIKATVKDENDNVFQSQAFYKTNEAGEVDLEKTPALGGDY  
 VGVHPMGLFFSLKPKKAFHRLMKKDVMSPLCICLDLYDSVNWLETVRIPSKASQRWFVGPVVKREQ  
 IQEGRVRGALFLPPVEFRASLLASHGFVLAALAYFAYEDLPEKPQEVLDLEYFEEAANFLLSHPKIQQPGI  
 GVI STSKGAEIGLAMACYLKQVIATVCINGPTTITIFPLRYQDLVMTPIHPALERIQVHDSGALLFRYTT  
 QYLHNKLN SQNILPVEKAQ GKILFIVGENDECLDSKLHAQKAMDRLQRHGRSSGRMLAYPGAGHLIEPPY  
 SPVCFVAWFPVLGQPMCFGGDLMAHAAAQEH SWREIQKFFRKHLLQSGSKL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC010829

**ORF Size:** 1205 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:**

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:** [BC010829](#), [AAH10829](#)

**RefSeq Size:** 1442 bp

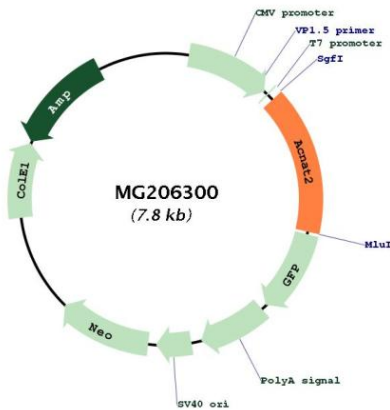
**RefSeq ORF:** 1205 bp

**Locus ID:** 209186

**Cytogenetics:** 4 B1

**Gene Summary:** Acyltransferase which efficiently conjugates very long-chain and long-chain fatty acids to taurine. Shows no conjugation activity in the presence of glycine (By similarity).  
[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG206300