

## Product datasheet for MR206300

### C730036D15Rik (BC010829) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	C730036D15Rik (BC010829) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C730036D15Rik
Synonyms:	C730036D15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206300 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCCAGTTGATAGCCACACCTTCAAATGCCCTTGTGGATGAGCCTGTGTCCATTCGAGCAACAGGCC  
TGCCTCCATCGCAGATAGTGACCATCAAGGCAACAGTGAAAGATGAAAATGACAATGTGTTCCAATCCCA  
AGCCTTCTACAAGACTAACGAGGCTGGTGGAGTGGACCTGGAGAAGACACCGGCTTTGGGGGTGACTAT  
GTAGGGGTCCACCAATGGCCCTTTTTCTCTCTGAAACCAAGAAGGCTTTCCATAGGCTGATGAAGA  
AAGATGTGATGAACAGCCCCCTTGCATCTGTTTGGACCTGTACGACTCTGTTAACTGGTAGAAACAGT  
CAGGATTCATCCAAGGCCAGCCAGAGAGTGCAGCGCTGGTTTGTGGCCCTGGGGTTAAGCGGGAACAG  
ATCAAGAAGGTCGGGTTTCGGGGAGCCCTTTTTCTCCCTCCAGTTGAATTCGTGCAAGTCTTTTGGCAT  
CCCACGGCTTTGCTGTGCTGGCATTGGCATATTTTGCCTATGAAGACCTGCCTGAGAAAACCAAGAGGT  
GGACTTGGAGTATTTGAAGAAGCTGCTAACTTCTACTATCTCACCCCAAGATCCAACAGCCAGGAATT  
GGTGTGATCTCCACGAGCAAAGGAGCAGAGATTGGGCTAGCTATGGCCTGTTACCTGAAGCAGGTGATTG  
CCACAGTCTGCATAAATGGGCCACCACCATACAATCTTCCACTAAGATACCAGGATCTGGTATGAC  
ACCAATCCATCCGGCTCTGGAACGGATCCAAGTCCATGATTCAGGGGCTTTACTCTTCCGTTACTACTACA  
CAATATCTCCATAATAAGCTGAACTCACAGAATAACTTCCCGTGGAAAAGGCCAGGGGAAAATCCTCT  
TCATTGTGGGAGAGAATGATGAATGTTTGGATAGCAAGTTGCATGCACAGAAGGCCATGGACCGGCTCCA  
GAGGCATGGAAGAAGCAGTGAAGGATGCTGGCATAACCCTGGGGCAGGCCACCTCATAGACCACCTTAT  
TCTCCGTTTGTGTTTGGCCTGGTTCCCTGTCCTGGGTCAACCCATGTGTTTGGAGGAGATCTCATGG  
CTCACGCAGCAGCCAGGAACACTCCTGGAGAGAGATCCAAAAGTTCTTCAGGAAACACCTCCTTCAATC  
CGGAAGCAAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR206300 protein sequence  
Red=Cloning site Green=Tags(s)

MIQLIATPSNALVDEPVSIRATGLPPSQIVTIKATVKDENDNVFQSQAFYKTNEAGEVDLEKTPALGGDY  
 VGVHPMGLFFSLKPKKAFHRLMKKDVMSPLCICLDLYDSVNWLETVRIPSKASQRWVFGPGVKREQ  
 IQEGRVRGALFLPPVEFRASLLASHGFVLAALAYFAYEDLPEKPQEVLDLEYFEEAANFLLSHPKIQQPGI  
 GVI STSKGAEIGLAMACYLKQVIATVCINGPTTITIFPLRYQDLVMTPIHPALERIQVHDSGALLFRYTT  
 QYLHNKLN SQNILPVEKAQ GKILFIVGENDECLDSK LHAQKAMDRLQRHGRSSGRMLAYPGAGHLIEPPY  
 SPVCFVAWFPVLGQPMCFGDLMAHAAAQEHSWREIQKFFRKHL LQSGSKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC010829

**ORF Size:** 1203 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

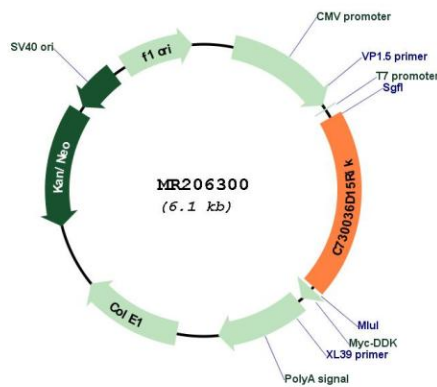
**Locus ID:** 209186

**Cytogenetics:** 4 B1

**MW:** 44.7 kDa

**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 MR206300