

## Product datasheet for **RN214684**

### Clu (NM\_053021) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clu (NM_053021) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Clu
Synonyms:	APOJ; CLI; DAG; RATTRPM2B; SGP-2; SGP2; SP-40; SP40; TRPM-2; Trpm2; TRPM2B; Trpmb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >RN214684 representing NM\_053021  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGATTCTCCTGCTGTGTGGCACTGCTGCTGACCTGGGACAATGGCATGGTCTGGGAGAGCAGG  
 AGTTCTCTGACAATGAGCTCCAAGAAGTGTCCACTCAAGGAAGTAGGTATGTTAATAAGGAGATTCAGAA  
 CGCCGTCCAGGGGTGAAGCACATAAAGACCCTCATAGAAAAACCAACGCAGAGCGCAAGTCCCTGCTC  
 AACAGTTTAGAGGAAGCCAAAAAGAAGAAAGAGGGTGTCTAGATGACACCAGGGATTCTGAAATGAAGC  
 TGAAGGCTTCCCGAAGTGTGTAAACGAGACCATGATGGCCCTCTGGGAAGAGTGAAGCCCTGCCTGAA  
 GCACACCTGCATGAAGTCTACGCACGCGTCTGCAGGAGCGGCTCGGGGCTGGTTGGTCCGACGCTAGAG  
 GAGTTTCTGAACCAGAGCTCACCTTCTACTTCTGGATGAACGGGGACCGCATCGACTCCCTGCTGGAGA  
 GTGACCGGCAGCAGACCAAGTCTAGATGCTATGCAGGACAGCTTCACTCGGGCGTCTGGCATCATACA  
 TACGCTTTTCCAGGACCGGTTCTTACCCATGAGCCCCAGGACATCCACCATTTCTCCCCATGGGCTTC  
 CCACACAAGCGGCTCATTTCTGTACCCCAAGTCCCGCTTGGTCCGCAGCCTCATGCCTCTCTCCCACT  
 ACGGGCTCTGAGCTTCCACAACATGTTCCAGCCTTTCTTTGATATGATACACCAGGCTCAACAGGCCAT  
 GGACGTCCAGCTCCATAGCCAGCTTTACAGTTCCCGGATGTGGATTTCTTAAAAGAAGGTGAAGATGAC  
 CCGACAGTGTGCAAGGAGATCCGCCATAACTCCACAGGATGCCTGAAGATGAAGGGCCAGTGTGAGAAGT  
 GCCAAGAGATCTGTCTGTGGACTGTTCCGACCAACAATCTGCCAGGCTAACCTGCGCCAGGAGCTAAA  
 CGACTCGCTCCAGGTGGCTGAGAGGCTGACCCAGCAGTACAACGAGCTGCTTCATCCCTCCAGTCCAAG  
 ATGCTCAACACCTCATCCCTGCTGGAACAGCTGAACGACCAGTTCACGTGGGTGCCAGCTGGCTAACC  
 TCACACAGGGCGATGACCAGTACCTTCGGGTCTCCACAGTGACAACCCATTCTTCTGACTCAGAAGTCCC  
 CTCTCGTCACTGAGGTGGTGAAGCTGTTGACTCTGACCCCATCACAGTGGTGTACCCAGAAGAA  
 GTCTCCAAGGATAACCCTAAGTTTATGGACACAGTGGCAGAGAAAGCGCTACAGGAATACCGCAGGAAAA  
 GCCGCATGGAA**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1778\\_a11.zip](https://cdn.origene.com/chromatograms/ja1778_a11.zip)

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_053021

**Insert Size:** 1344 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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>	<u><a href="#">NM_053021.2</a></u> , <u><a href="#">NP_444180.2</a></u>
<b>RefSeq Size:</b>	1857 bp
<b>RefSeq ORF:</b>	1344 bp
<b>Locus ID:</b>	24854
<b>UniProt ID:</b>	<u><a href="#">P05371</a></u>
<b>Cytogenetics:</b>	15p12
<b>Gene Summary:</b>	The protein encoded by this gene is a secreted chaperone that can under some stress conditions also be found in the cell cytosol. It has been suggested to be involved in several basic biological events such as cell death, tumor progression, and neurodegenerative disorders.[provided by RefSeq, May 2011]