

## Product datasheet for **MC226689**

### **Dram2 (NM\_001286986) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dram2 (NM\_001286986) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dram2  
**Synonyms:** 2010305N14Rik; 2610318G18Rik; AI647667; Tmem77  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226689 representing NM\_001286986  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTGGTGGTTTCAGCAAGGCCTCAGTTTTCTCCGTCGGCCCTTGTAATTTGGACATTTGCTACCTTCA  
TATTCTCATATATCACTGCAATAAACTCCACCATGTTGACCCTGCATTGCCTTATATCAGCGACACAGG  
GACAATACCTCCTGAAAGATGCCTCTTTGGAGTAATGCTAAATATCGCTGCAGTTTTAGGCATTGCTACC  
ATGTATGTTTCGTTACAAGCAAGTTCATGCACTGAACCCTGAAGAGAACCTTATCATCAAATTAACAAGG  
CTGGCCTTGTAAGTGGGATACTGAGTTGTTTAGGACTTCCCTTGTGGCAAATTTCCAGAAATCAACACT  
ATTTATTGTACATGTGTGTGGAGCTGTCCTTGCCTTTAGTATGGGCTCATTTTACATGTTTGTTCAGACA  
ATCCTTTCCTACCAAATGCAGCCCAAAATTCACAGCAAACAAGTCTTCTGGGTCCGACTACTGTTGGTTA  
TCTGGTGTGGAGTAAGTGCACCTAGCATGATGACTTGCTCATCAATTTGTACAGTAGTGATTTTGGTCC  
TGATGTAGTACAGAACTACACTGGAACCCGGAGGACAAAGGCTATGTGCTTACCTGGTTACTACGGCA  
GCAGAATGGTCCATGTCATTTTCCTTTTTGGATTTTTCTTACTTATATTCGTGATTTTCAGAAAATTA  
CTTTGCGGGTGAAGCCAATTTACATGGATTAACCTCTATGACACTGTTCCCTTGCCTGTAAACAATGA  
AAGAACCACCTGCTTTCCAGAGATTTTCAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001286986  
**Insert Size:** 804 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001286986.1, NP_001273915.1</u>
<b>RefSeq Size:</b>	2719 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	67171
<b>UniProt ID:</b>	<u>Q9CR48</u>
<b>Cytogenetics:</b>	3 F2.3
<b>Gene Summary:</b>	<p>Plays a role in the initiation of autophagy. In the retina, might be involved in the process of photoreceptor cells renewal and recycling to preserve visual function. Induces apoptotic cell death when coexpressed with DRAM1.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 2. Variants 2, 3 and 4 encode the same protein (isoform 2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>