

Product datasheet for **MC226690**

Dram2 (NM_001286987) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dram2 (NM_001286987) 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: >MC226690 representing NM_001286987
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGGTGGTTTCAGCAAGGCCTCAGTTTTCTCCGTCGGCCCTTGTAATTTGGACATTTGCTACCTTCA
TATTCTCATATCACTGCAATAAACTCCACCATGTTGACCCTGCATTGCCTTATATCAGCGACACAGG
GACAATACCTCCTGAAAGATGCCTCTTTGGAGTAATGCTAAATATCGCTGCAGTTTTAGGCATTGCTACC
ATGTATGTTTCGTTACAAGCAAGTTCATGCACTGAACCCGGAAGAGAACCTTATCATCAAATTAACAAGG
CTGGCCTTGTAAGTGGGATACTGAGTTGTTTAGGACTTCCCTTGTGGCAAATTTCCAGAAATCAACT
ATTTATTGTACATGTGTGTGGAGCTGTCCTTGCCTTTAGTATGGGCTCATTTTACATGTTTGTTCAGACA
ATCCTTTCCTACCAAATGCAGCCAAAATTCACAGCAAACAAGTCTTCTGGGTCCGACTACTGTTGGTTA
TCTGGTGTGGAGTAAGTGCACCTAGCATGATGACTTGCTCATCAATTTGTACAGTAGTGATTTGGTCC
TGATGTAGTACAGAACTACACTGGAACCCGGAGGACAAAGGCTATGTGCTTACCTGGTTACTACGGCA
GCAGAATGGTCCATGTCATTTTCCTTTTTGGATTTTTCTTACTTATATTCGTGATTTTCAGAAAATTA
CTTTGCGGGTGAAGCCAATTTACATGGATTAACCTCTATGACACTGTTCCCTTGCCTGTTAACAATGA
AAGAACCACCTGCTTTCCAGAGATTTTCAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001286987
Insert Size: 804 bp



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OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none"> 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:	<u>NM_001286987.1, NP_001273916.1</u>
RefSeq Size:	2597 bp
RefSeq ORF:	804 bp
Locus ID:	67171
UniProt ID:	<u>Q9CR48</u>
Cytogenetics:	3 F2.3
Gene Summary:	<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 (4) 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>