

Product datasheet for **RN212454**

Dram2 (NM_001025018) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dram2 (NM_001025018) Rat Untagged Clone
Tag: Tag Free
Symbol: Dram2
Synonyms: Tmem77
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212454 representing NM_001025018
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGGTGGTTTCAGCAAGGCCTTAGCTTCCTCCGTCGGCCCTTGTAATTTGGACATTTGCTACCTTTA
TATTCTCATATACACTGCAATAAACTCCACCATGTTGACCCTGCATTGCCTTACATCAGCGACTGG
GACAATGCCTCCTGAAAGGTGCCTCTTTGGAGTAATGCTGAATATCGCTGCCGTTTTAGGCATTGCTACT
ATCTATGTTTCGTTACAAGCAAGTTCATGCACTGAACCCGAAAGAGAACCTTATCATCAAATTAACAAGG
CTGGCCTTGTAAGTGGGATACTGAGTTGTTTAGGACTTTCTCTTGTGGCAAATTTCCAGAAATCAGCACT
ATTTATTGTTTCATGTATGTGGAGCTGTCCTTGCCTTTAGTATGGGCTCATTTTACATGTTTGTTTCAGACC
ATCCTTTCCTACCAAATGCAGCCCAAAATTCACAGCAAACAAGTCTTCTGGGTCCGACTACTATTGGTTA
TCTGGTGTGGAGTAAGTGCCTTAGCATGATGACTTGCTCATCAATTTTGTACAGTAGTGACTTTGGTGC
TGATATAGTACAGAACTACACTGGAACCCAGAGGACAAAGGTTATGTGCTTCACATAGTTACTACTGCA
GCAGAATGGTCTATGTCATTTTCCTTCTTTGGATTTTTCCTGACTTATATTCGTGATTTTCAGAAAATTA
CTTTACGGGTGGAAGCCAATTTACATGGATTAACCCCTATGACACTGTTCCCTTGCCTGTTACCAATGA
AAGAACCATTGCTTTCCAGAGATTTCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025018
Insert Size: 804 bp



[View online »](#)

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 or by calling 301.340.3188 option 3 for pricing and delivery.

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).

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: [NM_001025018.1](#), [NP_001020189.1](#)

RefSeq Size: 1435 bp

RefSeq ORF: 804 bp

Locus ID: 362011

UniProt ID: [Q5BK09](#)

Cytogenetics: 2q34

Gene Summary: 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]