

Product datasheet for **RG204574**

DRAM (DRAM1) (NM_018370) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DRAM (DRAM1) (NM_018370) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DRAM
Synonyms:	DRAM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204574 representing NM_018370 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTGCTTCCTGAGGGGAATGGCTTTCGTCCCCTTCCTCTTGGTGACCTGGTCGTCAGCCGCCTTCA
TTATCTCCTACGTGGTCGCCGTCTCCGGGCACGTCAACCCCTTCTCCCGTATATCAGTGATACGGG
AACAAACCTCCAGAGAGTGGTATTTTTGGATTTATGATAAACTTCTCTGCATTTCTGGTGCAGCCAGC
ATGTATAAAGATACAAAATAGTACAGAAGCAAAATCAAACCTGCTATTTTCAGCACTCCTGTTTTAACT
TGGTGTCTTTAGTGCTTGGATTGGTGGGATGTTTCGGAATGGGCATTGTCGCCAATTTTCAGGAGTTAGC
TGTGCCAGTGGTTCATGACGGGGCGCTCTTTTGGCCTTTGTCTGTGGTGTGCTGTACACGCTCCTACAG
TCCATCATCTTTACAAATCATGTCCCCAGTGAACAGTCTCTCGACATGCCACATACGGATGGTCATCT
CTGCCGTTTCTTGCGCAGCTGTCATCCCATGATTGTCTGTGCTTCACTAATTTCCATAACCAAGCTGGA
GTGGAATCCAAGAGAAAAGGATTATGTATATCACGTAGTGAGTGCATCTGTGAATGGACAGTGGCCTTT
GGTTTTATTTTCTACTTCCCTAACCTTTCATCCAAGATTTCCAGAGTGTACCCTAAGGATATCCACAGAAA
TCAATGGTGATATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204574 representing NM_018370
 Red=Cloning site Green=Tags(s)

MLCFLRGMAFVPFLLVTWSSAAFIIISYVVAVLSGHVNPFLPYISDTGTTPEESGIFGFMINFS AFLGAAT
 MYTRYKIVQKQNTCYFSTPVFNLVSLVLGLVGCFCGMGIVANFQELAVPVVHDGGALLAFVCGVVYTL LQ
 SII SYKSCPQWNSLSTCHIRMVISAVSCAAIVPMIVCASLISITKLEWNPREKDYVYHVVS AICEWTVAF
 GFIFYFLTFIQDFQSVTLRISTEINGDI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018370

ORF Size: 714 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: [NM_018370.3](#)

RefSeq Size: 3553 bp

RefSeq ORF: 717 bp

Locus ID: 55332

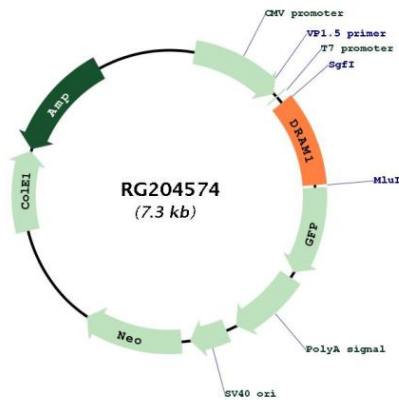
UniProt ID: [Q8N682](#)

Cytogenetics: 12q23.2

Protein Families: Transmembrane

Gene Summary: This gene is regulated as part of the p53 tumor suppressor pathway. The gene encodes a lysosomal membrane protein that is required for the induction of autophagy by the pathway. Decreased transcriptional expression of this gene is associated with various tumors. This gene has a pseudogene on chromosome 4. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204574