

## Product datasheet for **RG220618**

### GML (NM\_002066) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GML (NM\_002066) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** GML  
**Synonyms:** LY6DL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG220618 representing NM\_002066  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCCTCTTTGCCTTACTCCTAGCCATGGAGCTCCATTGGTGGCAGCCAGTGCCACCATGCGCGCTC  
AGTGGACTTACAGTTTGAGATGCCATGACTGTGCGGTCATAAATGACTTCAACTGTCCCAACATTAGAGT  
ATGTCCGTATCATATTAGGCGCTGTATGACAATCTCCATTCGCATAAATTCTCGTGAAGTACTTGTAT  
AAGAACTGTACAAACAACTGCACATTTGTATATGCAGCTGAACAGCCTCCTGAAGCCCCAGGAAAAATCT  
TCAAACTAATAGCTTCTACTGGGTTTGTGTTGTAATAGCATGGTTTGCAATGCAGGAGGACCTACTAA  
TCTTGAAAGGGACATGTTACCCGATGAAGTAAGTGAAGGAGGAGCTTCAGAAGGAACTGTGAGGCTGGG  
GTATCAAACTGTTGCTGAGTTTGCCTCTATCATAGTCAGCAATATATTGCCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG220618 representing NM\_002066  
Red=Cloning site Green=Tags(s)  
  
MLLFALLLAMELPLVAASATMRAQWTYSLRCHDCAVINDFNCPNIRVCPYHIRRCMTISIRINSRELLVY  
KNCTNNECTFVYAAEQPPEAPGKIFKTNFSFYWCCNSMVCNAGGPTNLERDMLPDEVTEELPEGTVRLG  
VSKLLSFASIIVSNILP

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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## Cloning Scheme:



ACCN: NM\_002066

ORF Size: 474 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

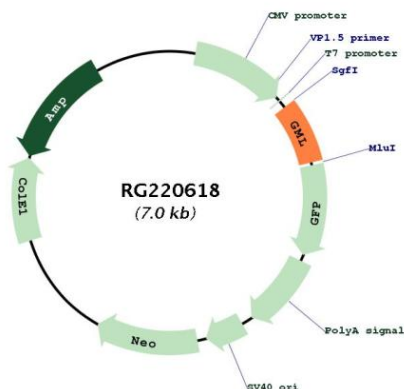
RefSeq: [NM\\_002066.3](#)

RefSeq Size: 722 bp

RefSeq ORF: 477 bp

Locus ID:	2765
UniProt ID:	<a href="#">Q99445</a>
Cytogenetics:	8q24.3
Protein Families:	Druggable Genome
Gene Summary:	May play a role in the apoptotic pathway or cell-cycle regulation induced by p53/TP53 after DNA damage.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG220618