

Product datasheet for **MG210321**

Gnl2 (BC003262) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gnl2
Synonyms:	MGC7863, Ngp-1, HUMAUANTIG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >MG210321 representing BC003262
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGTGAAGCCCAAGTACAAAGGACGAGCACCATCAACCGCTCGGCGGCCAGCACCAACCCAGATCGAG
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 GGAGCGCAGGAACAGTCGTGGTAAAGTGATTAAGCCACTGCAGTATCAGTCAACTGTGGCTTCTGGCACA
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 GTGAAAAACAGGAACAGGAACAAAAAGAAGACGAGCGACTCAGAGGGACAGAAACACAGACGCAACAAGT
 TCAGACAGAAGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG210321 representing BC003262

Red=Cloning site Green=Tags(s)

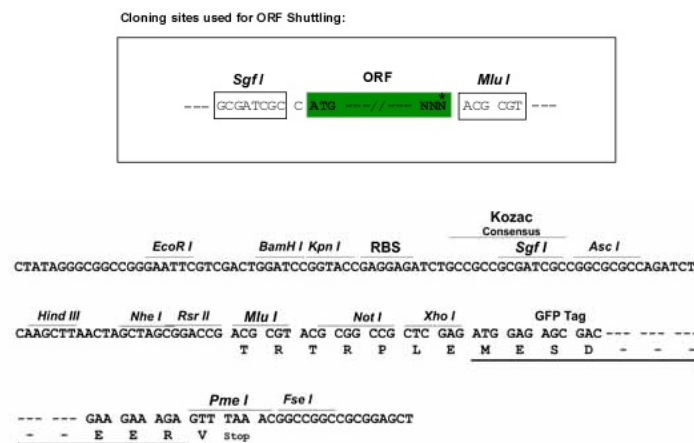
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VARVEPNIKWFGNTRVIKQASLQKFQEEMDKVMKDPYKVVVKQSKLPMSELLHDRIQPHNAKVHILDTESF
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

BC003262

ORF Size:

2184 bp

OTI Disclaimer:

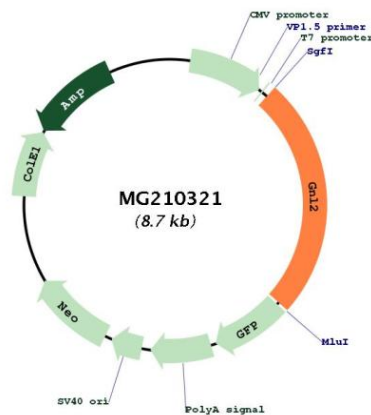
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	BC003262 , AAH03262
RefSeq Size:	2332 bp
RefSeq ORF:	2186 bp
Locus ID:	230737
Cytogenetics:	4 D2.2
Gene Summary:	GTPase that associates with pre-60S ribosomal subunits in the nucleolus and is required for their nuclear export and maturation (By similarity). May promote cell proliferation possibly by increasing p53/TP53 protein levels, and consequently those of its downstream product CDKN1A/p21, and decreasing RPL23A protein levels (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210321