

## **Product datasheet for MG213110**

# Gon7 (NM 001142938) Mouse Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** Gon7 (NM\_001142938) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Gon7

Synonyms: MGC25937; MGC60472

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >MG213110 representing NM\_001142938
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

CAAAGCCAGCATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG213110 representing NM\_001142938

Red=Cloning site Green=Tags(s)

 ${\tt MELSGEYVGCDGEPQRLRVSCEASGDADPLQSLSAGVVRMKELVAEFFGTLVEQDAQGLAEDPDDALDGD}$ 

DEDDAEDENNSGRTNSDGPSAKRPKPAS

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



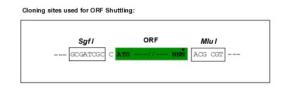
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

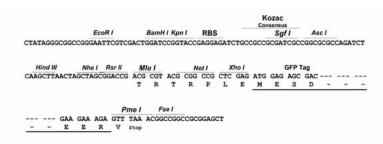
CN: techsupport@origene.cn

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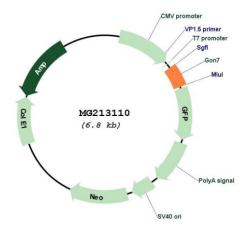


#### **Cloning Scheme:**





#### Plasmid Map:



**ACCN:** NM 001142938

ORF Size: 294 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



### Gon7 (NM\_001142938) Mouse Tagged ORF Clone - MG213110

**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: <u>NM 001142938.1</u>, <u>NP 001136410.1</u>

**RefSeq Size:** 1162 bp RefSeq ORF: 297 bp

**Locus ID:** 100233175

UniProt ID: P0C8B4

Cytogenetics: 12 E

**Gene Summary:** Component of the EKC/KEOPS complex that is required for the formation of a

threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons

beginning with adenine. The complex is probably involved in the transfer of the

threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. GON7 likely plays a supporting role to the catalytic subunit OSGEP in the complex.

[UniProtKB/Swiss-Prot Function]