

Product datasheet for **MC215668**

Gon7 (NM_001142938) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gon7 (NM_001142938) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gon7
Synonyms: MGC25937; MGC60472
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215668 representing NM_001142938
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGCTTTCGGGCGAGTACGTCGGTTGTGACGGGGAGCCGACGGCTACGAGTGTCTGTGAGGCGT
CGGGAGACGGACCCTCTCCAGAGCCTGTCGGCGGGCGTGGTCCGGATGAAGGAGTTGGTAGCGGAGTT
CTTCGGGACCCTAGTGGAGCAGGACGCGCAAGGCTTGGCGGAAGATCCGGACGACGCTTTGGATGGTGAT
GATGAAGATGATGCAGAAGATGAAAATAACTCTGGTAGAACTAACTCAGATGGACCATCTGCAAAACGTC
CAAAGCCAGCATCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001142938

Insert Size: 297 bp

OTI Disclaimer: 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).



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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_001142938.1](#), [NP_001136410.1](#)

RefSeq Size: 1162 bp

RefSeq ORF: 297 bp

Locus ID: 100233175

UniProt ID: [POC8B4](#)

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]