

Product datasheet for **MG212952**

Gm6904 (NM_001164329) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm6904 (NM_001164329) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gm6904
Synonyms:	EG628693
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212952 representing NM_001164329 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCAAGAGAAGCCAGGGTGTCTAACCCAGTTCCAATGGTGACAGTCCAATCATAGAAAAGATGG
AAAAAAGGACATGTGCCCTGTGCCCTGAAGGCCATGAGTGAATCATATATACTTTGCACCATCACTGAA
TATAGCTGCGCATGAAAAGTGTGCTGTATTCATCAGGACTGGTGAATGTGAGGCTCCTGATCTACCT
AATACAGTTAGAACTTTGATGTCAAATCTGTAAAGAAAGAGATCGGGAGAGGAAGAAGATTGAAATGCT
CATTTTGTAAAAACAAAGGAGCCACCATGGGATGTGATTTACAGTCTGCACCAAGAATTACCACTATC
CTGTGCCATGGAAGACAACGCAATTCTACAAGTTGATGAAGATCATGGCACTTACAAATTATTTGTCAA
AAACATGCTCCAGAGGGTCAAGATCCCACACAACGTGATGCAACTGTCAAAGCTCCTTTTCTTAAGAAAT
GCCAGGAAGCAGGACTTCTTAATGTTTTACTTGAATACATACTAGAAAAAATGGATTTCGACTTATGGAAG
ACTCCTGGATGAGACTGCCTCAGAGTCAGGTAATGGGTATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>MG212952 representing NM_001164329 Red=Cloning site Green=Tags(s)
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MAQEKPGCSNPVPNGDSPIIIEKMEKRTCALCEGHEWNHIYFAPSLNIAAHENCLLYSSGLVECEAPDLP
NTVRNFDVKS VKKEIGRRRLKCSFCKNKGATMGCDLQSC TKNYHLSCAMEDNAILQVDEDHGT YKLF CQ
KHAPEGQDPTQRDATVKAPFLKKQEA GLNVLLEYILEKMDSTYGRLLDETA SESGTEWVF

TRTRPLE - GFP Tag - V

Restriction Sites:	Sgfl-MluI
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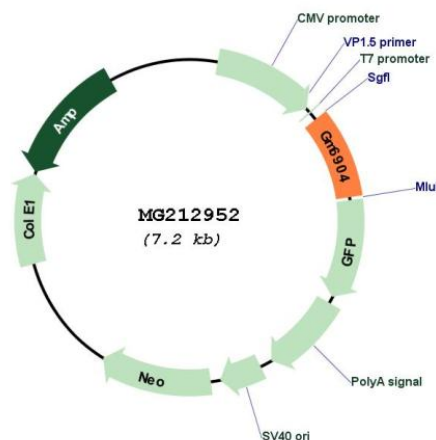


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001164329

ORF Size: 606 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_001164329.1](#), [NP_001157801.1](#)

RefSeq Size: 898 bp

RefSeq ORF: 609 bp

Locus ID: 628693

Cytogenetics: 14 C3