

Product datasheet for **MG204195**

2700097O09Rik (NM_028314) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2700097O09Rik (NM_028314) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	2700097O09Rik
Synonyms:	AW552125
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204195 representing NM_028314 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTTTCAGTCCGCTCGGAGAGCTGTACTTCAGTTGCTCGGAACACGGCTCCCGCAGATGTCCCGG
 CACTGCTCCACTGGATGAGGACTACCCGGGATTTGATGAATTTACTCACGATAATAATGACATCATGTT
 GAAAAACATAGCTGATGACCTTCGGAAGTGCTTGCTGTAGAAGCTGTGCTTTGCTCGGAACATCTGGCC
 CTTGAGAAAATACGACAACAGCCAGAGCCACAGTGCATGTTGATGCATTCCTTTATGATGAAGACTTTA
 TTGATACATTATGTGAGGAAGGAAAAATGAGCAGAACTACTGTACGGTGTGCGGCTCACACCGAACAGC
 GCCTTTGGGATTTATTTCTCACTCCTTCCCTCACGGAGTTGAAGTTCAATTTATCATCATGTACTCCCT
 GATCTGTGAGGAAAGGTCTTGTTGACGTTGGCTCCAGACTTGGCACAGTCCTTTATGGGGTTACCTTT
 ACAGCTCAGCAGTGCAGCTCTGTGGGTAGAGCTGAATGGACAATTTGCCAGTTGCAGGAAATGATCAT
 AAAGAAATACCAAGTTCGGTGACAGAATAAAGGTGCTTCATGCAGACATCTGTACCCAGAGTTCCTTCTG
 CAACTGCTGATGTCATTGTAATGAATAATGTCTCGAATATTTCTTACTGAGGCTCAACAGGCCAGTG
 CCTGGAACATACATCCATAATGTAAGAAAGCAAGGATCACTATTAGTGACAGTACCAAGTCTCCAAGA
 GTCTCTCATGGGGCTACAGATTAATGTGACGCTGTCCTCCTGGGTGGAAGAGATTCTCTGAGCTTGGAT
 GTGTACTCACAAGGGACATTGACCAAGAAGCTCTCAACAAATCCATTTATATAAGGTTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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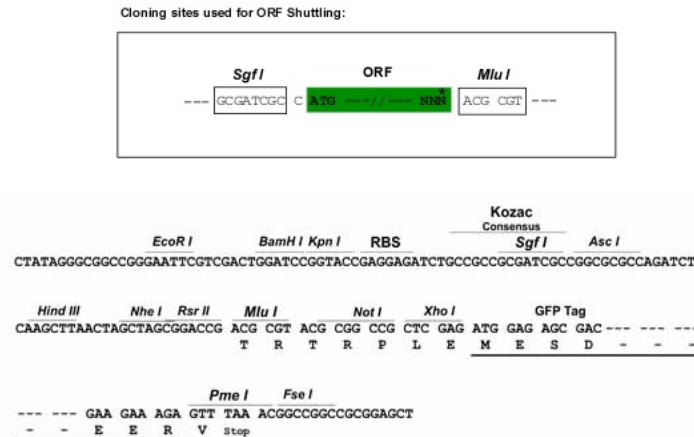
Protein Sequence: >MG204195 representing NM_028314
 Red=Cloning site Green=Tags(s)

MDFQSARRAVLQLLGTTAPADVALLHWMRTTRDFDEFTHDNDIMLKNIADDLRKCLPVEAVLCSEHLA
 LQKIRQQPEPTVHVDAFLYDEDFIDTLCEEGKMSRNYCTVCGSHRTAPLGFISHSFSLTELKFIYHHVLP
 DLSGKVLVDVGSRLGTVLYGGYLYSSAVQLCGVELNGQFCQLQEMIKKYQFGDRIKVLHADICTQSSLL
 QTADVIMNNVFEYFLTEAQQASAWNYIIHNVRKQGSLLVTVPSLQESLMGLQINVLSSWVEEIPLSLD
 VYSQRDIDQEALQQIHLKYVL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028314

ORF Size: 903 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_028314.2

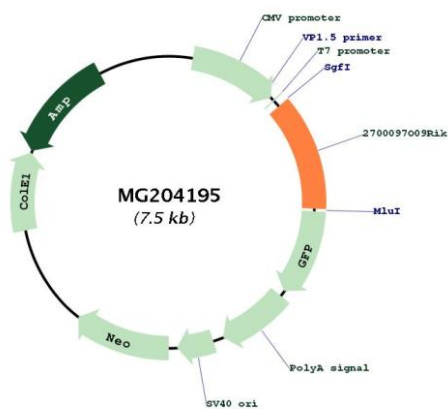
RefSeq Size: 1105 bp

RefSeq ORF: 906 bp

Locus ID: 72658

Cytogenetics: 12 C1

Product images:



Circular map for MG204195