

Product datasheet for **MG204449**

0610040J01Rik (NM_029554) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 0610040J01Rik (NM_029554) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: 0610040J01Rik
Synonyms: A1662686
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204449 representing NM_029554
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTGCAGGTGTTGTAAGATGATACAAAGCTATCTCTTTGATCCAGTTCAAGTGCCCTCGCCTGGTT
TTGTCAATGAAGTAAACAACGCAAGTTGGAGGAAGATGACACTGTCAGACTAAAAGGCCACCCAGAACAG
TGAGGTTGAGGTGCCAGGAATGCCCTGCATGATGGGAGCCTGAGCAATTCAGAGAGCAGAGGCAGTACA
ACTGGTCTACCTACCAAGGACCGCTCCCCAGGAGGACTCAGAAGAGAGACCCTGTGTGGAGAAGCAGG
GTATTGTCAATGGCATCAGCCCCACTGCTACTCTGCAGTCGGTCAGGAGTCCAGGCTCCACCAGGTTGA
CAATAGCTCCTGGGCCAGCAGCCCTGGGTAGCCACCATAGACAGTGCTCACCTGGCTCAACCCTTCCTT
GAAGGAGAAGACTACAGGAAGCAAAGCTGCCTGCTGCCACCTTGGAAGGGACCCAGATGATGGGACATG
GAGACTGCAGAGCCCCTGCAGAGGCCTTGGCAGTGGCAGATCACATCCCATACATACCAGCCCCAGATTA
TCCCCAGCTCTGGAGCCCCGAGTAGACAACGCAGACCCTGAAGAAAAGGATTGTCTTTTGAACCAC
TCTGAGGTGGAGCCCCTCCGGGAATTCAGCCCAGGGTGGCCAGCAGGGTTTGAACGTGCCCTTCTCC
TGCAGAGAAGCTGGGACTCACTGAATGAGGCAGGGACACAGAAGTCTGAGTGACTACTCAAAGAGGA
GGTCCCCTCACCTACGCCAGCGCTGATTCTGAAAATGAGCCGGAAGACCCACACCTACAACGGG
GACAGGGAGGGTGTGTGGTAGATGAGGATGCTGAGGTGGCAGAAGCCCTCGCAGCATTAGAAGCTGCTA
CCGAGGAGAAGATGCAGATGATGCCGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204449 representing NM_029554
 Red=Cloning site Green=Tags(s)

MGRCRCKMIQSYLFDVPVQVPSPGFVNEVNNCKLEEDTVRLKGTQNSEVEVPRNALHDGSLSNSESRGST
 TGLPHQGPLPQEDSEERPVEKQGI VNGI SPTATLQSVRSSLHQVDNSSWASSPWVATIDSAHLAQPFLL
 EGEDYRKQSCLLPTLEGTQMMGHGDCRAPAEALAVADHIPPYIPAPDYPQLWSPAVDNADPEEKDCLFENH
 SEVEPLPGIQPRVSQQGLNVPFSLQRSWDSLNEAGTTEVLSDYFKEEGPTHPTPAADSGNEPEDPHTYNG
 DREGVVVDEDAEVAEALAALEAATAGEDADDAD

TRTRPLE - GFP Tag - V

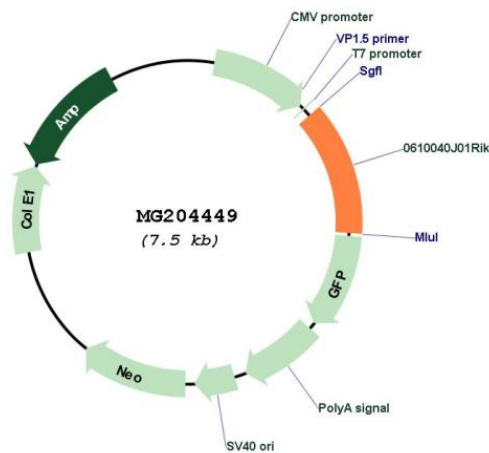
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_029554

ORF Size: 939 bp

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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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_029554.2 , NP_083830.2 |
| RefSeq Size: | 2003 bp |
| RefSeq ORF: | 942 bp |
| Locus ID: | 76261 |
| UniProt ID: | Q99K99 |
| Cytogenetics: | 5 C3.1 |