

## Product datasheet for **MG218450**

### Lonrf3 (NM\_028894) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lonrf3 (NM_028894) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lonrf3
Synonyms:	4932412G04Rik; 5730439E01Rik; A830039N02Rik; AU023707; Rnf127
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG218450 representing NM\_028894  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATTCCCTTCAGACCGCACAGATGGTGAGCTTGTCCGCCGAGCTCGGCAGCAACAACCTGGAGCTGG  
 CGGAGCCGGAGGAGCCGGGGACATCAGCGGCCGAGGGCAGTCAGCCGCCACCCGGAGGAGGTGACACC  
 CGAGGGCTCCCAAGCTCTCGGGCTCAAGAGCCGAGCAAAAGCCTGCCTCTGGCGGTCCCGACACCGCTG  
 GAGTGCAAAGTCTGCTCACGCAGGCGGATGCCTTGGCATCTGAGGGGCACCTTCGGGAAGCCCTCGAGG  
 TGTACCGACAGCTCTCCGAGAGGCGAGCTCGTAGCGGAGCAGCTGGAGCAGCTAGTGCCTGCTTGGC  
 CGACAGTGTCCCGCAAGAGGAGCTGGCCTCCGACTCGAGCGGCACCTTCGAGCTGCTGCGCCGCGGCGCTG  
 AAAGAGGCAGGGAGGCCGCGGCCGTGGCCCCGAGGTATGGGATGGCTTAAAGTGAAGAAGTGTACAG  
 GGTTCCTCTCAGACCCGGTGTCCCTGTGGTGGCGCCACACCTTTTGTAACTGTGCCTGGAGCGCGGGCG  
 AGCCGCCGATCGCGCTGCGCTCTGTGCGGGTCAAGCTCTCCGCTCTGATGGCGGCCAGTGGGAGGGCA  
 CCGCGGGCCGCGCGCGCGGGGCAGCCGGCGCCCTGCAACTGCGAGTTAACGTGGTACTCAGCGGCCTCC  
 TGGGCAAGTTGTTCCCGGGCCCCGCGGGCGTCGCAACTCCGGCACGAGGGCAACCGGCTGTTCCGCGA  
 GCACCAGTGGAGGCAGCTCTGCTCAAGTACAACGAGGCTGTTGCTTAGCTCCAACGACCATTGCTT  
 TATAGCAATCGGTCCCAATTTATTTACCTTGGAGTCTCATGAGGATGCACTGCATGATGCAGAAATAG  
 CATGTAAGTACGGCCAAATGGGTTTTAAGGCACACTTCAGAAAAGCACAAGCTTTAGCCACTTAGGCAA  
 GGTGAAAGAAGCACTCAAAGAATTTCTACTGCGTATCCCTTGATGGAAAGAACAAGAGCGCCAGATCT  
 GAAGCTCAAAGGGAGAATCTGGAGCTTCCCATTTGTTCTAATCAGGAGGGAGCAGCAGCTCAGAAAGAGA  
 GCAGCAGCTAGCAAATCCGCTCAAGGAAAGGTGAGTAGTAAAGAAGACAGAAAGAAGATCAGGAAGG  
 AGAGGACCGGGATGCTGCCTCCGTCAGGACCGGCAATGCCAGGAAAAGAAGAGAAATCGTTGCCAAATC  
 GAAACCCAAAGAAGACACAGAATTGCCTAATAAAGTCTCCAAACAAGATTTTCTGCTGAGCAGGGAGCCA  
 AACAGATCTCAGTAATCCACTTGGATCCTTTGATGCATCTGACCTTGAATGCTCACTGTGTATGAGATT  
 ATTCTATGAGCCAGTCACAACACCTTGTGGACACACCTTTTGGCTTGAATGTCTTGAGAGATGCCTAGAT  
 CATAATGCAAAGTGTCCACTGTGCAAAGACGTTCTTTTACAGTGTGGCCATCAAGAAAATATAGCAAAA  
 ATGTAATCCTGGAAGAACTCATAGCTACGTTTCTGCCAGAAGAATCAAGGAACGAAAGAGGCTTTATGA  
 AGAGGAAATGGAAGAGCTTTCTAACTTAAATAAGAATGCCCTATTTTCGTGTGCACCATGGCCTATCCC  
 ACCGTTTCTTGTCCCTTGACATCTTTGAGCCTTGTACCCTGATGATTTCGGAGATGTATTGAGACAG  
 GCACAAGACAGTTTGGCATGTGCCTTGGAGATCCTGTCAAAGGGTTTGTAGAATATGGCTGCATCTTAGA  
 GATCAGAAATGTCCAATTTCTTCTGATGGCCGATCGGTGGTAGACAGCATAGGCAAGAGGCGCTTCAAA  
 GTGCTCCATCAGGGTCAACGGGATGGCTACAACACTGCTGACATTGAATACATTGAAGATCAAAAGGTTT  
 AGGGAGATGATTGTGCTGAACCTATGGGGTTACACAACCTGTGTATGAGCAAGCGTCATCATGGTTTCA  
 CTCGCTCAAAGCATCTCTGAAGAATCGGATACTAACTCACTTTGGTCCAATGCCAGAGAAGGACGAAGAC  
 CCCCAGGTTAATCCGAATGGTCCAGCCTGGTGTGGTGGACACTGGCGGTTCTTCTCTGGAAAGCAGAG  
 CTCAGCTTCCCTTCTAGCAATGAGTCCCTTAAAGGACAGATTGAATGGTATTTCGGCGTATCCTGGCCTT  
 TATATCGAGAAACCAAAAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG218450 representing NM\_028894  
 Red=Cloning site Green=Tags(s)

MDSLQTAQMVSLSAELGSNNLELAEEPEPGTSAAGQSAAHPEEVTPEGSQALGAQEPEQSLPLAVPTPL  
 ECKVLLTQADALASEGHLREALEVYRQLSERQQLVAEQLEQLVRCLADSVPEELASDSSGTSSCCAAAL  
 KEAGEAAVAPEVWDGFKCKKCHGFLSDPVSLWCGHTFCKLCLERGRAADRRCALCGVKLSALMAASGRA  
 RGP RRAGQPAPLQLRVNVVLSGLLGKLFPGPARASQLRHEGNRLFREHQVEAALLKYNEAVRLAPNDHLL  
 YSNRSQIYFTLESHEDALHDAEIAACKLRPMGFKAHFRKAQALATLGKVKEALKEFLYCVSLDGNKSARS  
 EAQRENLELPHCSNQEGAAAAEESSSLANSAQGVSSKEDRKKDQEGEDRDAASVRTGKCQEKRNRCQI  
 ETQEDTELPNKVSKQDFPAEQGAKPDLNPLGSFDASDLECSLCMRLFYEPVTTPCGHTFCLKCLERCLD  
 HNAKCPLCKDVLQLCLPSRKYSKNVILEELIATFLPEEFKERKRLYEEEMEELSNLNKNVPIFVCTMAYP  
 TVPCPLHIFPCYRLMIRRCIETGTRQFGMCLGDPVKGFVEYGCILEIRNVQFFSDGRSVDSIGKRRFK  
 VLHQGQRDGYNTADIEYIEDQKVQGDCAELMGLHNCVYEQASSWFHSLKASLKNRILNHF GPMPEKDED  
 PQVNPNGPAWCWWT LAVLPLESRAQLPFLAMRSLKDRLNGIRRI LAFISR NQN

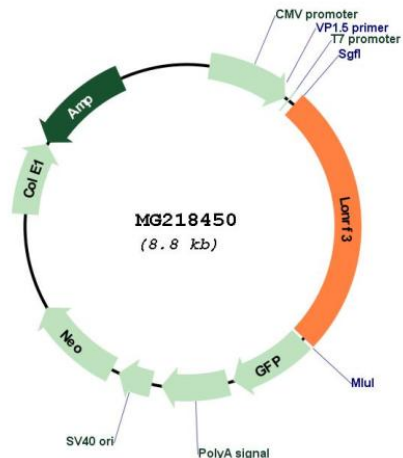
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_028894

**ORF Size:** 2259 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\\_028894.1](#), [NP\\_083170.1](#)

**RefSeq Size:** 7392 bp

**RefSeq ORF:** 2262 bp

**Locus ID:** 74365

UniProt ID: Q9D4H7

Cytogenetics: X A3.3