

## Product datasheet for **MG225067**

### Trpm3 (NM\_001035244) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpm3 (NM_001035244) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trpm3
Synonyms:	6330504P12Rik; 9330180E14; AU018608; B930001P07Rik; LTRPC3; MLSN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide  
Sequence:

>MG225067 representing NM\_001035244  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTATGTCCGAGTATCTTTTGATACGAAACCTGATCTCTTGCTACACCTGATGACCAAGGAATGGCAAC  
 TGGAGCTTCCCAAACCTTCTCATCTCCGTGCACGGAGGGCTGCAGAACTTTGAACTCCAGCCCAAACCTCAA  
 GCAAGTCTTCGGGAAGGGGCTCATCAAAGCAGCCATGACAACCTGGAGCCTGGATCTTCACTGGAGGGGT  
 AACACAGGTGTCATTTCGTATGTTGGAGATGCCTTGAAGACCATGCATCTAAGTCTCGAGGGAAGATAT  
 GTACCATAGGTATCGCCCCCTGGGGAATTGTGGAAAACAGGAAGACCTGATTGGAAGAGATGTAGTCCG  
 ACCATACCAGACCATGTCCAATCCTATGAGCAAGCTCACCGTTCTCAATAGCATGCACTCCCACTTCATC  
 CTGGCTGACAATGGGACCACGGGAAAACGAGGACAGAGTGAAGTCCGCAGACAACCTGGAAAAGCACA  
 TTTCACTCCAGAAGATAAACACAAGATGCCTGCCGTTTTCTCTCTTGACTCCCGCTTGTATTTATTCATT  
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 GGAGGACCAATGTGATCTCAATTGTTTTGGAATACCTTCGAGACACCCCTCCTGTACCAGTCGTGGTCT  
 GTGATGGGAGTGGACGGGCATCCGACATCCTGGCATTGGGCATAAATATTCAGAAGAAGCGGACTTAT  
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 AGACCAACTGAGCTTAGCTTTAGCCTGGAACAGAGTTGACATCGCTCGCAGCCAGATCTTATTTACGGG  
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 ACGGCTCCGGATGAGAAAGAAGTCAAGCCTCAAGGTAATTCCTGGGAATTCTACTTCTCCTTCAATTCTC  
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 TGAGCTTTGGGTCGCCAGGCAAGCCATTCTTTCCCAATGAGGAGCCATCTTGGAAAAGTGGCCAAAGAA  
 TATCTTACATGCCTTATTGGATGATTTATGGGAAAGTGTGGTGTGACCAGATAGACCGTAAGCAAGTT  
 TATGATTCTCATACCAAAGTCAGGTATTTAACTTCAATTGAGTCACGTCTTTTCCAAGTCCATTTGT  
 TTGTCCTCAATAAATGGCTCAAGATAGAGGACCGATTCTAGTTGCTATCTTGGTGGAGACAATCACTG  
 CAGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG225067 representing NM\_001035244  
 Red=Cloning site Green=Tags(s)

MYVRVSFDTKPDLHLMTKEWQLELPKLLISVHGGLQNFELQPKLKQVFGKGLIKAAMTTGAWIFTGGV  
 NTGVIRHVGDALDHDASKSRGKICTIGIAPWGIENQEDLIGRDVVRPYQTMSNPMSKLTVLNSMHSFI  
 LADNGTTGKYGAEVKLRRLQLEKHSIQKINTRCLPFFSLDSRLFYSFWGSCQLDPDIGIGQGVVVALIVE  
 GGPNVISIVLEYLRTTPVPVVDGSGRASDILAFGHKYSEEGGLINESLRDQLLVTIQKFTFTYTRTQA  
 QHLFIILMECMKKELITVFRMGSEGHQDIDLAILTALLKGANASAPDQLSLALAWNVRVDIARSQIFIYG  
 QQWPVGSLEQAMLDALVLDRVDFVKLLIENGRHGSPNTLYHLVRDVKKGNLPPDYRISLIDIGLVIEYLM  
 GGAYRCNYTRKFRTRYHNLFGPKRDDIPLRRGRKTTKKREEEVDIDLDDPEINHFPFFHELMVWAVLM  
 KRQKMAFFWQHGEEMAKALVACKLCKAMAHEASENDMVDDISQELNHNSRDFGQLAVELLDSYKQDE  
 QLAMKLLTYELKNWSNATCLQLAVAAKHRDFIAHTCSQMLLTDMMWGLRMRKNSGLKVLGILLPPSIL  
 SLEFKNKDDMPYMTQAQEIHLQEKEPEEPEKPTKEKDEEDMELTAMLRNGESSRKKDEEEVQSRHRLI  
 PVGRKIYEFYNAPIVKFWFYTLAYIGYMLFNVIYLVKMERWVSTQEWIVISYIFTLGIEKMREILMSEP  
 GKLLQKVKVWLQYWNVTDLIAILLFVGMILRLQDQPPFRSDGRVIYCVNIIYWIYIRLLDIFGVNKYLG  
 YVMIMIGKMMIDMMYFVIIMLVLMVMSFGVARQAILFPNEEPSWKLAKNIFYMPYWMIYGEVADFQIDRQV  
 YDSHTPKSGILTSIESRLFQVHLFVLNKWLKIEDRFLVCYLGGDNHCR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM\_001035244

ORF Size: 2874 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\\_001035244.2](#)

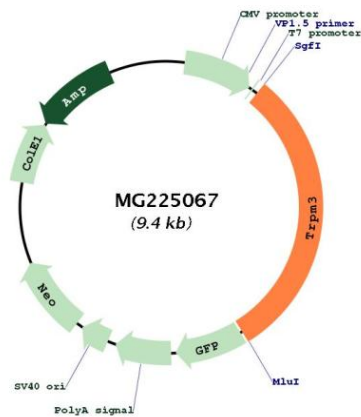
**RefSeq Size:** 3653 bp

**RefSeq ORF:** 2877 bp

**Locus ID:** 226025

**Cytogenetics:** 19 B

**Product images:**



Circular map for MG225067