

## Product datasheet for **MG225382**

### Trpm3 (NM\_177341) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trpm3 (NM_177341) 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)
ORF Nucleotide Sequence:	>MG225382 representing NM_177341 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGGGCCGTGGGGACCGTTTATTTCTAGGCACTGCCAGATTTGCAGTTTCTTGCTTCCCGGT  
GGAATTTGGAAGGGTTCATGAATCAGACTGATGCTTCTCGACCCCTAAATGGACCATCCGGAAGCTATG  
CCACGCAGCCTTTCTCCCATCTGTCAGACTTCTCAAGGCTCAGAAATCCTGGATTGAAAGAGCATTTTAT  
AAAAGAGAATGTGTTACATCATACCGAGCACAAAGACCCCATAGGTGTTGCTGTGGACGCCTCATAG  
GCCAGCATGTTGGACTCACTCCAGTATCTCTGTGCTTCAAGTATGAGAAAATGAGAGTCGCCTCTCCCG  
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CTGATCTCTTGCTACACCTGATGACCAAGGAATGGCAACTGGAGCTTCCCAAACCTCTCATCTCCGTGCA  
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TGACATCGCTCGACCCAGATCTTTATTTACGGGCAGCAGTGGCCGGTAGGGTCCCTGGAGCAAGCCATG



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CTGGATGCCCTAGTCCTGGACAGAGTGGATTTTGTGAAATTACTCATAGAAAATGGAGTAAGCATGCACC  
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CGTCCGCCAGAGCAGCTTCAACAGCCAGGAAGGGAACACCTTCAAACCTTCAAGAGAGTATAGACCCTGCA  
GAACATCCTTTTTATTAGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225382 representing NM\_177341  
 Red=Cloning site Green=Tags(s)

MPGPWGTVYFLGTAQICSFLSSRWNLQEGVMNQTDASRPLNWTIRKLCCHAAFLPSVRLKKAQKSWIERAFY  
 KRECVHIIPSTKDPHRCCCGRLIGQHVGLTPSISVLQNEKNESRLSRNDIQSEKWSISKHTQLSPTDAFG  
 TIEFQGGGHSNKAMYVRVSFDTKPDLILLHMTKEWQLELPKLLISVHGGLQNFELQPCLKQVFGKGLIKA  
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 PDYRISLIDIGLVIEYLMGGAYRCNYTRKRFRTLYHNLFGPKRPKALKLLGMEDDIPLRRGRKTTKKREE  
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 IAVFNNTFFEVKISISNQVVKFQRYQLIMTFHERPVLPPPLIIFSHMTMIFQHVCCRWRKHESDQDERDYG  
 LKLFITDDELKVKVHDFEEQCIEEYFREKDDRFNSSNDRIRVTSERVENMSMRLEEVNEREHSMKASLQ  
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 EHPFYVS

TRTRPLE - GFP Tag - V

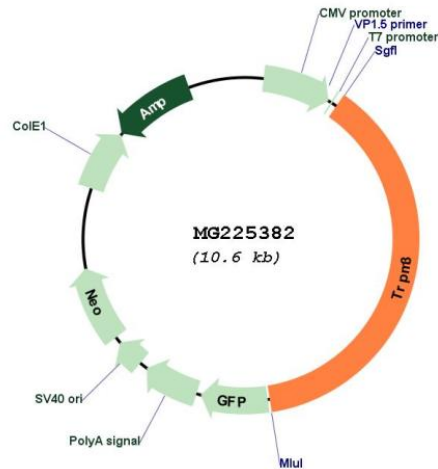
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_177341

ORF Size: 4011 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\\_177341.4](#), [NP\\_796315.2](#)

RefSeq Size: 5157 bp

RefSeq ORF: 4014 bp

Locus ID: 226025

Cytogenetics: 19 B