

Product datasheet for **MG211339**

Tmc5 (BC108382) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmc5 (BC108382) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmc5
Synonyms:	4932443L08Rik; AU016085
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211339 representing BC108382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGTCTTCCCTCCACCAGAATAGCAGCTACATGGAGGATGCTGACTACCCTGGTTACTCAGGGTCTCGGA
 ACCACACACACAACCTATTTGGAACTCAAGATTATCCGGAATCCCAGGCTCTCAGAACAATCCAGGCTT
 CCACCACCCAGAACCAACCCGATTCTTCGGGCTCTAGAACAAACCCAGACTACCCCTACTTCCAAGAA
 GAACCAGATTATCCTGGATCTCTGAGTAACACGGTCTATCAGGACACCAGGAGTCACCCGTTCTCTGCAC
 ATTCCAGAACAAGGCCAGACTATGAGTCTTCAATTGAGCCAGACTATAATGACTTCAGGAGTGAATCTTA
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 GGAGAGAGGTGGAGCCACAAATTCCTTTGCATTTGGAGGAACTTGGTGTCTCTGACCTGCGATTGAG
 GCGGTGAGCACAAGAGGAGAATCCCATAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211339 representing BC108382
 Red=Cloning site Green=Tags(s)

MSSFHQNSSYMEDADYPGYSGSRNHTHNYLETQDYEPFGSQNNPGFHPRSNPHSSGSRTNPDYPYFQE
 EPDYPGSLNNTVYQDTRSHPFSAHSRTRPDYESSIEPDYNDFRSESYHAGLPMEDYPGSQSHPGFAGVG
 RSSMNYTGPRTNLGYLGSLEEDYPGAQDNSYHSGSRPHSNLPGSRRDAGYAGSRINSYRDDLGEEDYP
 GAENQPNSPRFYKPDYPGAEEDGYSSKSLAVIRRGNGPFGMLGRRNEDYPEGIGMVSMMEMAGDPRNG
 YVNPAYTRRISPVCPDRNLLCAHDWHTSVQGQKLIASLIPMTTRDRIKTIRNQPRTMQEKRELKIVDK
 EKNKQSHGILEANCCAQCLGSLSTYRRTNRNGLSELLNYITLWQKRFKVIKGFSGTSLVSYFSFLRWLLK
 FNIFSVMNFSFIIIPQFTVGAKNLQFTGLEFFTGAGYFGDTVMYYGFYTNSTIRHRMGGASYNMQLAY
 IFTIGACLVCCFFSLLFSMAKYFRNNFINPHIYSRGIAKLIFCWDFTVTHEKAVKLLKQKNLSTEIRENLS
 ELRQENYRLTFNQQLTRFSAHVAAWLVSTGVTAACCVAVYYLAEYNSEFLKTHRNP GAVLLL P FV VSCIN
 LAVPRFYSMFRLVERYEIPRQEVYVLLVRNIFLKSIVGILCYWLNIVALSGEECWETLIGQDIYRLL
 MDFVFLADSLLEFLRRLIGMKFTSLSLQEFDIARNVLELIYAQTLTWLGIFFCPLLPFIQMITLFIMF
 YVKNVSLMMNFQPPSKAWRASQMITFFIFLLFPSTGVLCTLAITIWRLKPSADCGPFRGLPSFIQSIY
 SWIDTLRRRPGYLWVWVIYQNLIGSVHFFILTILIVLIITYLYWQITEGRKVMIRLLHEQIINEGKDKMF
 LIEKLTQLQDMEKRVNPSALDLERREVEPQIPLHLEELGAAPDLRLRRAQEENPIA

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

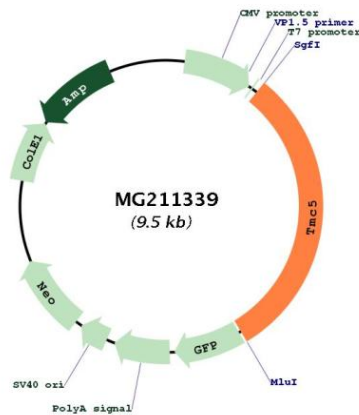


ACCN: BC108382

ORF Size: 2901 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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC108382 , AAI08383
RefSeq Size:	3442 bp
RefSeq ORF:	2903 bp
Locus ID:	74424
Cytogenetics:	7 F2
Gene Summary:	Probable ion channel.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211339