

Product datasheet for **MG204828**

Tmem68 (NM_028097) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem68 (NM_028097) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tmem68
Synonyms: 2010300G19Rik; AA408325; AW123402
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204828 representing NM_028097
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGATAACAACCAACCTGTGCTGCAGGACAGGACTCTGTGCCCTATGTGACCTGTATGATTTATG
TGCTTGAGGAGTGGTGGGTGTGGAGCAATTGGAGGACTATCTGAATTTTGCAAACCATCTTTGTGGGT
TTTCAACCCACTGATACTTTAATACTTCCTATTTTACCATCTTCTTCTCTACCTTACTATTATTTTC
CTCCATATCTACAAGAGGAAGAATGTATTAAGAAGCCTACTCTCATAACTTGTGGGATGGTCAAGGA
AAACGGTGGCAACTCTGTGGGATGGACATGCGGCTGTTTGGCATGGTTATGAAGTTCATGGGATGGAAAA
GATACCAGAAGGAGCTGCACTTATAATTTTTATCATGGAGCCATCCCCATAGACTTTTACTACTTCATG
GCTAAAATTTTATCCAGAAAGGCAGAACTTGCCGAGTAGTAGCTGACCACTTTGTCTTTAAAATCCAG
GGTTCAAGTTTACTTGTATGTGTTTTGTGCTCTTCATGGACCAAGAGAAAAATGTGTTGAAATCTTGAG
GAGTGGTCACTTGTAGCTATCTCACGGGCGGAGTTCGAGAAGCCTTACTTAGTGATGAAACCTACAAC
ATCATATGGGGTAATCGTAAAGGCTTGTCTCAGGTTGCAATTGATGCAAAAAGTGCCATTATTCCTATGT
TTACACAAAATATTCGAGAAGGATTTAGATCACTTGGAGGCACAAGATTATTTAAGTGGCTTTATGAAAA
ATTCGGCTATCCATTTGCTCCAATGTATGGAGGTTTTCTGTAAAGTTGCGGACCTCTTAGGTGATCCC
ATACCATATGACCCAAAGGTAACAGCAGAAGAATTAGCCGAAAAGACCAAGAATGCTGTTCAAGCTTTGA
TTGACAAGCACCAAGGATACCGGGGAACATTAGGAGTGCTCTGCTGGACCGCTTTCATAAAGAGCAGAA
GGCTCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG204828 representing NM_028097
 Red=Cloning site Green=Tags(s)

MIDNNQTC AAGQDSVPYVTCMIYVLEEWL GVEQLEDYLN FANHLLWVFTPLILLILPYFTIFLLYLTIIF
 LHIYKRKNVLKEAYSHNLWDGARKTVATLWDGHAAVWHGVEVHGMEKIPEGAALIIFYHGAIPIDFYFYM
 AKIFIQKGRTRVVDHDFVKIPGFSLLLDVFCALHGPREKCV EILRSGHLLAISPGGVREALLSDETYN
 I IWGNRKGFAQVAIDAKVPIIPMFTQNI REGFRSLGGTRLFKWL YEKFRYPFAPMYGGFPVKLRTFLGDP
 IPYDPKVTA EELAEKTKNAVQALIDKHQRIPGNIRSALLDRFHKEQKAH

TRTRPLE - GFP Tag - V

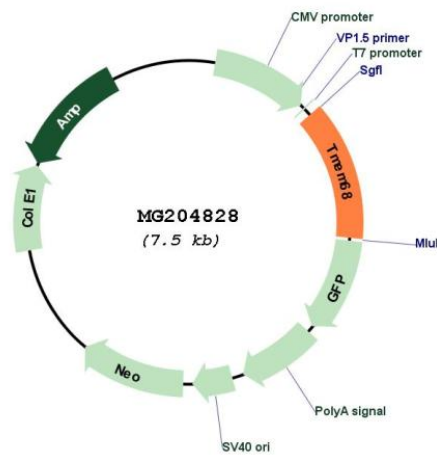
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_028097

ORF Size: 987 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.
RefSeq:	NM_028097.4
RefSeq Size:	2605 bp
RefSeq ORF:	990 bp
Locus ID:	72098
UniProt ID:	Q9D850
Cytogenetics:	4 A1