

Product datasheet for **MG203648**

Tmem45a (NM_019631) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem45a (NM_019631) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem45a
Synonyms:	C630002M10Rik; M32486; p19.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203648 representing NM_019631 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAGTTTCAAAGGACATGCTCTCCCTGGGAGTTTCTTCTCGCCATGGGCTTTTGGTGGACTATGA
AGAACATCCTGAAATCTGTCTACAAAAGGCAAACCTCGAACCTGCTACCTAACTCTAAAACATTATTACG
TCGGACAGAGATTTGGGAAGGAGTTGTTGTGCTTTTAAATGTCTCTCACTGGTATAGCTGGTGAACAGTTT
ATCTCAGGAGGACCTGCCTTGATCTTGATATAAAGATGGCCAGTGGAAACCAGATCCTGGGCTGGCATTACA
CAACCATGTACTATTCTTTGGGCTACAGGGTATAACCCAAATCATATGTTTCACTACTAATGTACTTCC
ACTTTCCTCAAGCAAGTTAATGTTATCAATTGCCATCTTTGTGGAGACATTTATGTTCTACAACCACACA
CACGGTCGGGAAATGATTGACATTTTTGTACCAACTTCTGGTCTTCGTTGGCACCATTTTCGGGTCTGG
TTGCCCTCTTGGAGTTCTCGTAAAGAACAACGCACTTCTGGAGCTCCTGCGGTGCACTCTCCTCATGTT
TCAAGGAACCTGGTTCTGGCAGATGGCGTTTGTGCTGTACCCCTAGTGGAAAGTGTACATGGAACCTG
TCAGATATTCAAATAAAATGTTTCTCAATGTGCTTTTGTGCTGATTATGCATCAATCCTTATCCTCA
TTGGAGTAAATATGCTTTGGCCAACCTGTTAGTCAAGTCTAGGCTGAGGAAGGGCTGCACCTCAGAAGT
TGGACTCCTGAAGCATGCTGACCGTGAGCAAGAATCAGAAGAAGAAGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203648 representing NM_019631
 Red=Cloning site Green=Tags(s)

MGSFKGHALPGSFFFAMGFWWTMKNILKSVYKRQTRTCYLNSTLLRRTIWEQVVVLLMSLTGIAGEQF
 ISGGPALILHKDQWNQILGWHHTTMYLFFGLQGITQIICFTTNVLPSSSKLMLSIAIFVETFMFYNHT
 HGREMIDIFVHQLLVFGTFSGLVAFLEFLVKNNALLELLRCSLLMFQGTWFWQMAFVLPPSGSATWNL
 SDIQNKMFLSMFCWHYASILILIGVKYALANWLKSRRLKRGCTSEVGLLKHADREQESEEEV

TRTRPLE - GFP Tag - V

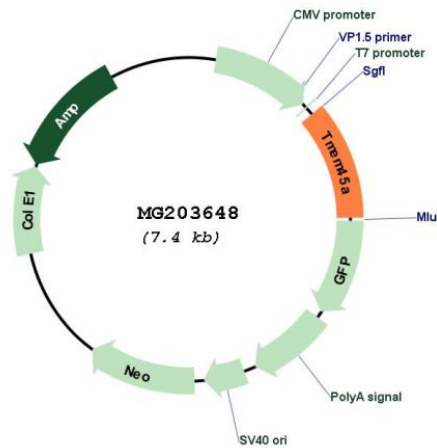
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_019631

ORF Size: 819 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_019631.3 , NP_062605.2
RefSeq Size:	2698 bp
RefSeq ORF:	822 bp
Locus ID:	56277
Cytogenetics:	16 C1.1