

Product datasheet for **MG213260**

Tmem147 (NM_027215) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem147 (NM_027215) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem147
Synonyms:	2010004E11Rik; 5033425B17Rik; Nifie14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213260 representing NM_027215 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCTGTTCCACTTCGGAACTGCTTCGCCCTCGCCTACTTCCCTATTTTCATCACGTACAAATGCA
GCGGCCTGTCTGAATACAACGCCTTCTGGAAATGCGTCCAGGCCGGGTACCTACCTCTTTGTGCAGT
ATGCAAGATGTTGTTCTTGGCCACTTCTTCCCCACCTGGGAAGGTGGCATCTATGACTTCATTGGGGAA
TTCATGAAGGCCAGTGTGGATGTGCAGACCTGATAGGCCTAAACCTTGCATGTCTCGGAATGCAGGCA
AGGGGGAGTACAAGATTATGGTTGCTGCCCTGGGCTGGGCCACTGCTGAACCTATTATGTCCCGATGCAT
CCCCCTCTGGGTGGGAGCCCAGGCATTGAATTTGACTGGAAATATATCCAGATGAGCATTGACTCCAAC
ATCAGTCTGGTCCACTACATCGTTGCATCAGCTCAGGTCTGGATGATAACACGCTATGACCTGTACCACA
CCTTCGGCCTGCTGTTCTCCTCCTGATGTTTCTTAGTGTCTACAAGGCCTTTGTCATGGAGACCTTCGT
CCACCTCTTCTCCTTGGGTAGTTGGACAGCACTGCTCGCCCGGCAGTAGTAACAGGACTGCTGGCCCTC
AGCACCTTGGCCCTGTATGTTGCTGTTGTCAATGTACTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG213260 representing NM_027215
 Red=Cloning site Green=Tags(s)

MTLFHFGNCFALAYFPYFITYKCSGLSEYNAFWKCVQAGVTYL FVQLCKMLFLATFFPTWEGGIYDFIGE
 FMKASVDVADL IGLNLVMSRNAGKGEYKIMVAALGWATAELIMSRCIPLWVGARGIEFDWKYIQMSIDSN
 ISLVHYIVASAQVWMITRYDLYHTFRPAVLLLMFLSVYKAFVME TFVHLFSLGSWTALLARAVVTGLLAL
 STLALYAVVNVHS

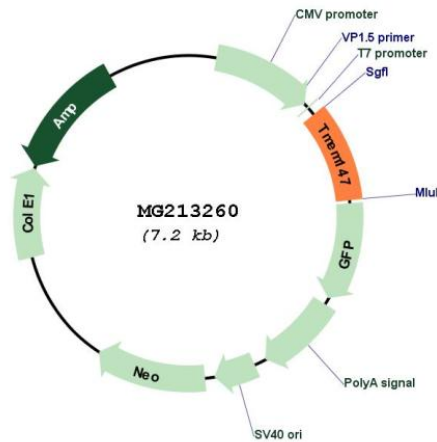
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_027215

ORF Size: 672 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_027215.2 , NP_081491.2
RefSeq Size:	868 bp
RefSeq ORF:	675 bp
Locus ID:	69804
UniProt ID:	Q9CQG6
Cytogenetics:	7 B1
Gene Summary:	Acts as a negative regulator of CHRM3 function, most likely by interfering with its trafficking to the cell membrane (By similarity). Negatively regulates CHRM3-mediated calcium mobilization and activation of RPS6KA1/p90RSK activity (By similarity).[UniProtKB/Swiss-Prot Function]