

Product datasheet for **MG205569**

Tram111 (NM_146140) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tram111 (NM_146140) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tram111
Synonyms:	A830091N21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205569 representing NM_146140 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTCCGCAAGAAGAACGCCAGGAACCCCCGGTGTGAGCCACGAATTCATGGTGCAGAACCACG
CGGATATGGTCTCCTGCGTGGGCATGTTCTTCGTGCTGGGGCTTATGTTTCGAGGGCACCTCCGAGATGTC
GATCGCGTTCCTCACTCTGCAGCATGGAGTCGTTGTCCAGCGGAAGGGCTGCCCTCCGGTCCAGGACC
CTGTACCATTATGGGGTCAAAGATCTGGCCACAGTGTCTTCTACATGCTGGTGGCCATCATCATCCACG
CCACCATTACAGGAGTACGTGCTAGATAAGCTCAGCAGGAGACTGCAGCTCACAAAGGCAACAAAACAA
ACTGAATGAGGCCGGCAGCTGAGTGTGTTCTATATAGTGTCCGGGATCTGGGGCATGATCATTCTGGCC
TCTGAGAACTGCCTGTCAGACCCACACTCTTGTGGAAGTCTCAGCCCCACAACATGATGACATTTTCAGA
TGAAATTTTTCTACATTTACAGTTGGCTTACTGGTTTCATAGCTTTCCGGAGCTTTACTTCCAGAAAGT
CAGGAAGCAAGATATCCCGGGTCAGTCTACATTGGCCTCCACCTCTCCACATTGGAGGGGCTAT
CTTTGTACTTGAACCACTTGGCCTGCTGCTGCTGATGCTGCACTACGCCGTAGAGTCCCTCCAGCG
TGTGCAGCCTGCTTTACTTTGGTGTAGAGCGGTACCAGAAAGGGTGTCTCTGTGGCCTATCGTGTTTAT
ATCCGGGAGACTCGTGACATTGATTGTCTCGGTGGTTACAGTAGGGCTTACCTGGCCGGGACAAATCGG
AATGGCAATGCACTCTCTGGTAATGTCAATGTGCTGGCAGTAAAAATCGTGTCTGCTCGAGTTGCA
GTATCCAGGTGTACATAACATGGACCTTGACTACTGTCTGGCTTACAGAGATGGTTAGAAGACGCGAACCT
TCATGTTTGTGGAAGGAAGACGGTCCAGGGCGAGAAAAGGCACAGAAAATGGAGTGGAGAATCCGAAT
AGAATAGACTCTCCACAAAGAAGAGAAGAGGCTCCT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205569 representing NM_146140
Red=Cloning site Green=Tags(s)

MGLRKKNARNPPVLSHEFMVQNHADMVSCVGMFFVLGLMFEGTSEMSIAFLTQHGVVVPAEGLPSGSRT
 LYHYGVKDLATVFFYMLVAIIHATIQEYVLDKLSRRLQLTKGKQNKLEAGQLSVFYIVSGIWGMIIA
 SENCLSDPTLLWKSQPHNMMTFQMKFFYISQLAYWFHSFPELYFQKVRKQDIPGQLIYIGLHLFHIGGAY
 LLYLNHLGLLLLMLHYAVELLSSVCSLLYFGDERYQKGLSLWPIVFI SGRLVTLIVSVVTVGLHLAGTNR
 NGNALSGNVNVLAAKIAVLSSSCSIQVYITWTLTTVWLQRWLEDANLHVCGRKRRSRARKGTENGVENPN
 RIDSPPKKKEKAP

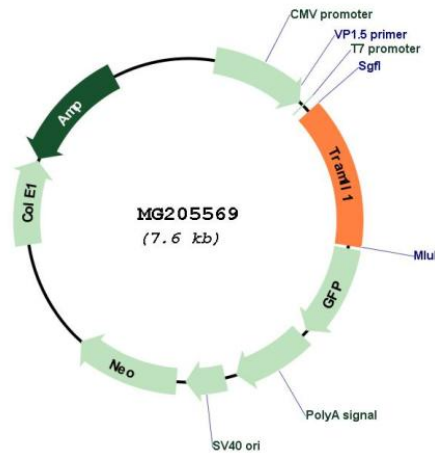
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_146140

ORF Size:	1089 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_146140.4
RefSeq Size:	2225 bp
RefSeq ORF:	1092 bp
Locus ID:	229801
UniProt ID:	Q8QZR0
Cytogenetics:	3 G1
Gene Summary:	Stimulatory or required for the translocation of secretory proteins across the ER membrane. [UniProtKB/Swiss-Prot Function]