

Product datasheet for **MG205797**

Tram1 (NM_028173) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tram1 (NM_028173) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tram1
Synonyms: 1810049E02Rik; TR; TRAMP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205797 representing NM_028173
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGATTTCGAAGAAGAGCAACAAGAACCCGCCGCTGCTGAGCCACGAATTCCTGCTGCAGAATCAGC
 CGGACATCGTCTCCTGCCTGGCGATGCTTTTCTGCTGGGGCTTATGTTTCGAGGTAACAGCAAAGGAGC
 CATCATCTTTGTTGCTCTTCAGTATAATGTTACCCGCCCTGCAACAGAAGAACAAGCTACTGAATCAGCA
 TCCCTATACACTATGGTATCAAAGACTTGGCTACAGTTTGTCTACATGCTAGTGGCGATAATTATTC
 ATGCCATAATTCAGGAGTATGTGTTGGATAAAATTAACCGACGGATGCACTTCTCCAAAACGAAGCACAG
 CAAGTTTAACGAGTCTGGTCAGCTCAGTGCATTCTACCTTTTGCCTGTGTGGGGCACGTTTCATTCTC
 ATCTCCGAAAACATATCTCAGACCCAACATATCCTGTGGAGAGCCTATCCCATAACTGATGACATTTTC
 AGACGAAGTTTTCTACATCTCCAGCTGGCGTACTGGCTCCATGCATTCCCTGAACTCTACTTCCAGAA
 AACCAAAAAGAAGATATCCCTCGTCAGCTCGTCTACATTGGCCTTTATCTTTTCATATTGCTGGAGCC
 TATCTTCTGAACCTGAACCACCTGGCCTTGTCTTCTGGTGTGCACTATTTGTTGAATTTCTTTTCC
 ACATTTCTCGTCTATTTTATTTTAGTGACGAGAAGTATCAGAAAGGGTTTTCTCTCTGGCGAGTTCTTTT
 TGTTTTGGGAAGACTTCTGACTTAATCTTTTCAGTCTTACTGTTGGTTTTGGTCTCGCAAGAGCGGAG
 AATCAGAAGCTGGACTTTAGTACTGAACTTCAACGTGTTGGCGTTAGGATCGCTGTTCTCGCGTCCA
 TTTGCATCACACAAGCCTTCATGATGTGGAAGTTCATTAACCTCCAGCTTCGGAGGTGGAGGGAACATTC
 TGCCCTCCAGGCCACCTGTGAAAAGGAAACCGCCGTGACCAAGGCAGGTCTTCCAGAAAAGGAAACA
 GAGAACGGTGTGAACGGCACAGTCACATCAAACGGAGCAGACTCCCTCGGAACAGGAAAGAGAAGTCTT
 CG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205797 representing NM_028173
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MAIRKKSNNKPNPLLSHEFLLQNHADIVSCLAMLFLGLMFEVTAKGAIIFVALQYNVTRPATEEQATESA
 SLYHYGIKDLATVLFYMLVAIIHAIIEYVLDKINRRMHFSKTKHSKFNESQLSAFYLFACVWGTFIL
 ISENYISDPTILWRAYPHNLMTFQTKFFYISQLAYWLHAFPELYFQKTKKEDIPRQLVYIGLYLFHIIAGA
 YLLNLNHLGLVLLVLYHFVEFLFHSIRLFFYSDEKYQKGFSLWAVLFLVLRLLTLILSVLTVGFGLARAE
 NQKLDLDFSTGNFNVLAVRIVLASICITQAFMMWKFINFQLRRWREHSFQAPPVKKRPAVTKGRSSRKGT
 ENGVNGTVTSNGADSPRNRKEKSS

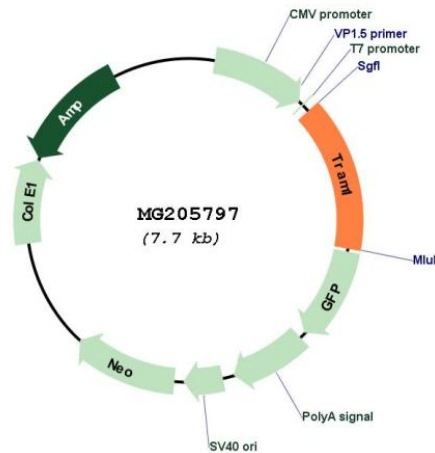
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028173

ORF Size:	2885 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_028173.5 , NP_082449.1
RefSeq Size:	2889 bp
RefSeq ORF:	1125 bp
Locus ID:	72265
UniProt ID:	Q91V04
Cytogenetics:	1 A3
Gene Summary:	This gene encodes a multi-pass transmembrane protein of the endoplasmic reticulum (ER). It is involved in the process of cotranslational translocation of secretory proteins into the ER. [provided by RefSeq, Dec 2014]