

Product datasheet for **RG206999**

TRAM2 (NM_012288) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TRAM2
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206999 representing NM_012288
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCTTTCGCGAGGAGGACGAAAAGTTACCCGCTCTTCAGCCAGGAGTTCGTCATCCACAACCATGCGG
ACATCGGCTTCTGCCTGGTGCTCTGCGTCTCATCGGGCTTATGTTGAGGTCACAGCCAAGACTGCCTT
TCTATTTATTTACCTCAGTATAACATTAGCGTGCCTACAGCAGACAGTGAGACCGTGCACTACCACTAT
GGCCCTAAGGACCTGGTCACAATCTTGTTCTACATCTTCATCACCATCATCTTGCATGCTGTGGTTCAGG
AGTACATTTTAGATAAAATCAGCAACGGCTTCATCTCTCAAAGTCAAACACAGCAAGTTCAATGAATC
TGGACAGCTGGTCGCTTTTCATTTACCTCGGTGATTTGGTGCTTCTACGTGGTGGTGACGGAAGGATAC
TTAACAACCCCAAGAAGCCTCTGGGAAGACTACCCGCATGTGCACCTCCCCTTCCAGGTGAAGTTTTCT
ACCTATGCCAGCTGGCCTACTGGCTGCACGCACTTCCTGAGCTATACTTCCAGAAGGTACGGAAGGAGGA
AATTCCCCGCCAGCTCCAGTATATTTGCCTGTACCTGGTGCATATAGCTGGAGCATACCTCTTAAACCTG
AGCCGCTGGGCTGATCTTGCTGCTGCTGCAGTACTCAACTGAGTTCCTTCCACACGGCTAGACTCT
TCTACTTTGCAGATGAAAACAACGAGAACTGTTCAAGTGCCTGGGCTGCTGTTTTTGGGGTTACCCGCT
CTTCATCCTCACCTTGCCGTGCTGGCCATTGGCTTTGGACTGGCTCGCATGGAACACAGGCATTTGAT
CCCAGAAAGGGAACCTCAACACTTTGTTTTGCAGGCTCTGCGTGTCTGCTGGTGTGTGCCGCCCAGG
CCTGGCTCATGTGGCGTTTCACTCCAGCTGCGGCACTGGCGGGAATACTGGAATGAGCAGAGTGC
AAAGCGGAGAGTCCAGCCACACCCAGACTACCAGCCAGGCTCATCAAGAGGGAATCTGGTTACCATGAA
AATGGAGTGGTGAAGGCAGAGAACGGAACCTCCACGGAATAAGAACTCAAGTCTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



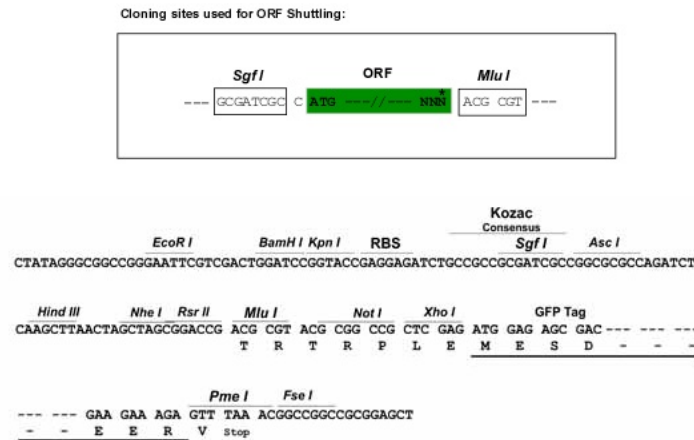
Protein Sequence: >RG206999 representing NM_012288
Red=Cloning site Green=Tags(s)

MAFRRTKSYPLFSQEFVIHNDIGFCLVLCVLIGLMFEVTAKTAFILPQYNISVPTADSETVHYHY
GPKDLVTILFYIFITIIHLHAVVQEYILDKISKRLHLSKVHHSKFNESSQLVVFHFTSVIWCYVYVTEGY
LTNPRSLWEDYPHVLFPQVKFFYLCQLAYWLHALPELYFQKVRKEEIPRQLQYICLYLVHIAGAYLLNL
SRLGLILLLLQYSTEFLFHTARLFYFADENNEKLSAWAAVFGVTRLFILTLAVLAIGFGLARMENQAFD
PEKGNFNTLFCRLCVLLLVCAAQAWLMWRFIHSQLRHWREYWNEQSAKRRVPATPRLPARLIKRESGYHE
NGVVKAENGTSPRTKKLKSP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012288

ORF Size: 1110 bp

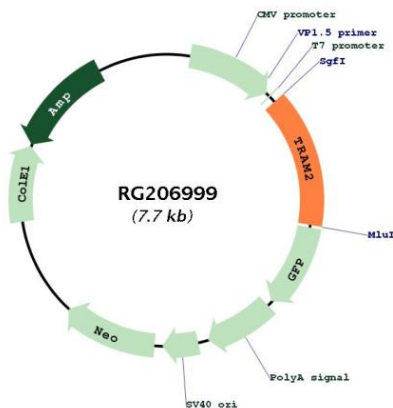
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_012288.4
RefSeq Size:	7065 bp
RefSeq ORF:	1113 bp
Locus ID:	9697
UniProt ID:	Q15035
Cytogenetics:	6p12.2
Domains:	LAG1, TLC
Protein Families:	Transmembrane
Gene Summary:	TRAM2 is a component of the translocon, a gated macromolecular channel that controls the posttranslational processing of nascent secretory and membrane proteins at the endoplasmic reticulum (ER) membrane.[supplied by OMIM, Jul 2004]

Product images:



Circular map for RG206999