

Product datasheet for **RG205393**

TRAM1L1 (NM_152402) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAM1L1 (NM_152402) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRAM1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205393 representing NM_152402 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTCCGTAAGAAGAGCACCAAGAACCCCCCGTTCTCAGCCAGGAATTCATCCTGCAGAATCATG
CGGACATCGTCTCCTGCGTGGGGATGTTCTTCTGCTGGGGCTTGTTTCGAGGGAACAGCAGAAGCATC
CATCGTGTTCCTCACTCTTCAGCACAGTGTGCTGTCCCTGCAGCAGAGGAACAAGCCACGGGCTCAAAG
TCCCTCTATTATTATGGTGTCAAAGATTTGGCCACGGTTTTCTTCTACATGCTGGTGGCAATCATTATTC
ATGCCACAATTCAGGAATATGTGTTGGATAAAATTAACAAGAGAATGCAGTTCACCAAAGCGAAACAAAA
CAAGTTTAACGAGTCTGGTCAGTTTAGTGTGTTCTACTTTTTTTCTTGTATTTGGGGCACATTCATTTTA
ATCTCTGAAAACCTGCCTGTCAGACCCAACCTCTTATATGGAAGGCTCGTCCCATAGCATGATGACATTTT
AAATGAAGTTTTCTACATATCCAGTTGGCTTACTGGTTTCATGCTTTTCTGAACTCTACTTCCAGAA
AACCAAAAAACAAGACATCCCTCGTCAACTTGTCTACATTGGTCTTCACCTCTTCCACATTACTGGAGCT
TATCTCTGTACTTGAATCATTGGGACTTCTCTTTGGTACTGCATTATTTGTTGAATTACTTTCCC
ACATGTGCGGCCTGTTTTACTTTAGTGATGAAAAGTACCAGAAAGGCATATCTCTGTGGGCCATTGTGT
TATCTTGGGTAGACTTGTGACTTAATTGTTTCCGTACTCACTGTTGGGTTTACCTGGCTGGATCGCAG
AATCGGAATCCTGATGCCCTTACTGGAATGTAAATGTGTGGCAGCTAAAATTGCTGTTCTGTCGTCCA
GTTGCACGATCCAAGCCTACGTAAACATGGAACCTAATTACTCTCTGGCTTACAGAGGTGGGTAGAAGATTC
TAATATTCAGGCCTCATGTATGAAAAAGAAACGGTCGAGATCTTCTAAAAAAGAACAGAAAACGGAGTG
GGAGTGGAACCTCAAATAGAGTAGACTGTCCGCAAAGAGGAAAGAGAAATCTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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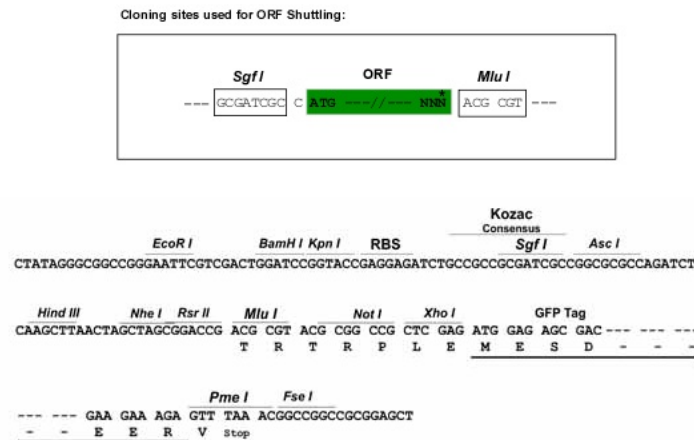
Protein Sequence: >RG205393 representing NM_152402
 Red=Cloning site Green=Tags(s)

MGLRKKSTKNPPVLSQEFILQNHADIVSCVGMFFLLGLVFEGTAEASIVFLTLQHSVAVPAAEEQATGSK
 SLYYYGVKDLATVFFYMLVAIIHATIQEYVLDKINKRMQFTKAKQNKFNESGQFSVFYFFSCIWGTFIL
 ISENCLSDPTLIWKARPHSMMTFQMKFFYISQLAYWFHAFPELYFQKTKQDIPRQLVYIGLHLFHITGA
 YLLYLNLGLLLLVLHYFVELLSHMCGLFYFSDEKYQKGISLWAIIVFILGRLVTIIVSVLTVGFHLAGSQ
 NRNPDALTGNVNVLAAKIAVLSSSCTIQAYVTWNLITLWLQRWVEDSNIQASCMKKKRSRSSKKRTENG
 GVETSNRVDCPPKRKEKSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152402

ORF Size: 1107 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.

RefSeq: [NM_152402.3](#)

RefSeq Size: 2037 bp

RefSeq ORF: 1110 bp

Locus ID: 133022

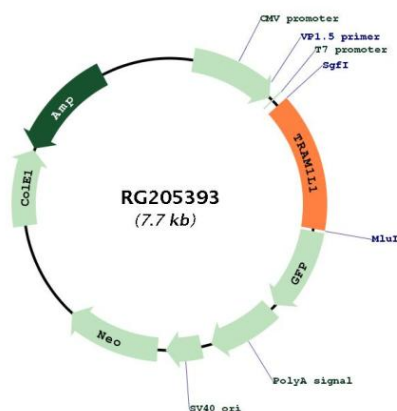
UniProt ID: [Q8N609](#)

Cytogenetics: 4q26

Protein Families: Transmembrane

Gene Summary: Stimulatory or required for the translocation of secretory proteins across the ER membrane.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205393