

Product datasheet for **RC205393**

TRAM1L1 (NM_152402) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAM1L1 (NM_152402) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRAM1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205393 representing NM_152402 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGCTCCGTAAGAAGAGCACCAAGAACCCCCCGTTCTCAGCCAGGAATTCATCCTGCAGAATCATG
CGGACATCGTCTCCTGCGTGGGGATGTTCTTCTGCTGGGGCTTGTTTCGAGGGAACAGCAGAAGCATC
CATCGTGTTCCTCACTCTTCAGCACAGTGTGCTGTCCCTGCAGCAGAGGAACAAGCCACGGGCTCAAAG
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CAAGTTTAACGAGTCTGGTCAGTTTAGTGTGTTCTACTTTTTTTCTTGTATTTGGGGCACATTCATTTTA
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AACCAAAAAACAAGACATCCCTCGTCAACTTGTCTACATTGGTCTTCACCTCTTCCACATTACTGGAGCT
TATCTCTGTACTTGAATCATTGGGACTTCTCTTTGGTACTGCATTATTTGTTGAATTACTTTCCC
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TATCTTGGGTAGACTTGTGACTTAATTGTTTCCGTACTCACTGTTGGGTTTACCTGGCTGGATCGCAG
AATCGGAATCCTGATGCCCTTACTGGAATGTAAATGTGTGGCAGCTAAAATTGCTGTTCTGTCGTCCA
GTTGCACGATCCAAGCCTACGTAAACATGGAACCTAATTACTCTCTGGCTTACAGAGGTGGGTAGAAGATTC
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GGAGTGGAACCTCAAATAGAGTAGACTGTCCGCAAAGAGGAAAGAGAAATCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205393 representing NM_152402
 Red=Cloning site Green=Tags(s)

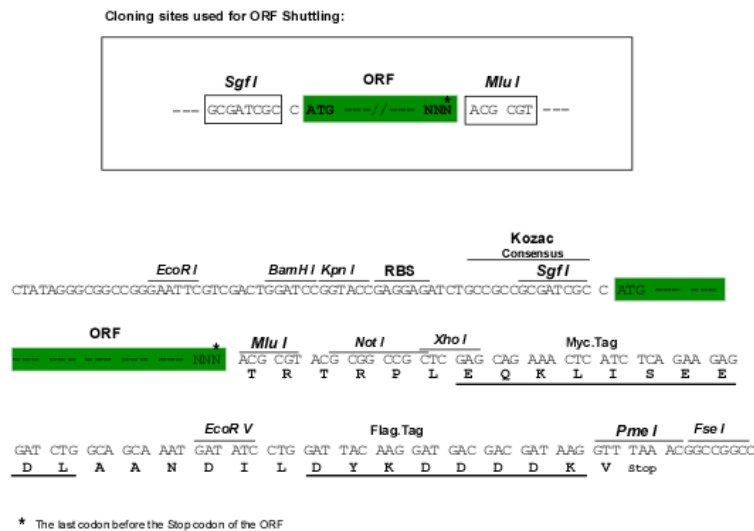
MGLRKKSTKNPPVLSQEFILQNHADIVSCVGMFFLLGLVFEGTAEASIVFLTLQHSVAVPAAEEQATGSK
 SLYYYGVKDLATVFFYMLVAIIHATIQEYVLDKINKRMQFTKAKQNKFNESGQFSVFYFFSCIWGTFIL
 ISENCLSDPTLIWKARPHSMMTFQMKFFYISQLAYWFHAFPELYFQKTKKDIPRQLVYIGLHLFHITGA
 YLLYLNHLGLLLVLHYFVELLSHMCGLFYFSDEKYQKGISLWAVFVILGRLVTILVSVLTVGFHLAGSQ
 NRNPDALTGNVNVLAAKIAVLSSSCTIQAYVTWNLITLWLQRWVEDSNIQASCMKKRSRSSKKRTENGV
 GVETSNRVDCPPKRKEKSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8113_a01.zip

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152402.3](#)

RefSeq Size: 2037 bp

RefSeq ORF: 1110 bp

Locus ID: 133022

UniProt ID: [Q8N609](#)

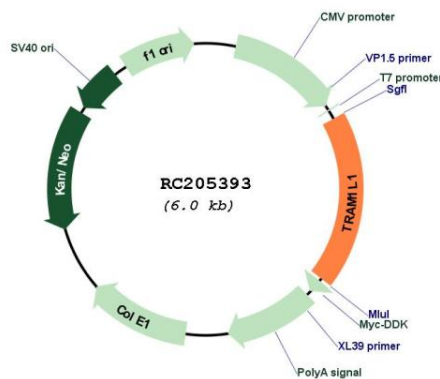
Cytogenetics: 4q26

Protein Families: Transmembrane

MW: 42.2 kDa

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

Product images:



Circular map for RC205393