

## Product datasheet for MR205569

### Tram111 (NM\_146140) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tram111 (NM_146140) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tram111
Synonyms:	A830091N21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205569 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGGGCTCCGCAAGAAGAACGCCAGGAACCCCCGGTGTGAGCCACGAATTCATGGTGCAGAACCACGCGGATATGGTCTCCTGCGTGGGCATGTTCTTCGTGCTGGGGCTTATGTTTCGAGGGCACCTCCGAGATGTCGATCGCGTTCCTCACTCTGCAGCATGGAGTCGTTGTCCCAGCGGAAGGGCTGCCCTCCGGTCCAGGACCCTGTACCATTATGGGGTCAAAGATCTGGCCACAGTGTCTTCTACATGCTGGTGGCCATCATCATCCAGCCACCATTACAGGAGTACGTGCTAGATAAGCTCAGCAGGAGACTGCAGCTCACAAAGGCAACAAAACAAACTGAATGAGGCCGGCAGCTGAGTGTGTTCTATATAGTGTCCGGGATCTGGGGCATGATCATTCTGGCCTGTGAGAACTGCCTGTCAGACCTACACTCTTGTGGAAGTCTCAGCCCCACAACATGATGACATTTCAGATGAAATTTTTCTACATTTACAGTTGGCTTACTGGTTTCATAGCTTTCCGGAGCTTTACTTCCAGAAAGTCAGGAAGCAAGATATCCCGGGTCAGTCACTACATTGGCCTCCACCTCTTCCACATTGGAGGGCCATCTCTTGTACTTGAACCACTTGGCCTGCTGCTGCTGATGCTGCACTACGCCGTAGAGTCCCTCCAGCGTGTGCAGCCTGCTTACTTTGGTGTGAGCGGTACCAGAAAGGGTGTCTCTGTGGCCTATCGTGTTTATATCCGGGAGACTCGTGACATTGATTGTCTCGGTGGTTACAGTAGGGCTTACCTGGCCGGGACAAATCGGAATGGCAATGCCTCTCTGGTAATGTCAATGTGCTGGCAGTAAAATCGTGTCTGCTCGAGTTGCAGTATCCAGGTGTACATAACATGGACCTTGACTACTGTCTGGCTTACAGAGATGGTTAGAAGACGCGAACCTTCATGTTTGTGGAAGGAAGACGGTCCAGGGCGAGAAAAGGCACAGAAAATGGAGTGGAGAATCCGAATAGAATAGACTCTCCACCAAGAAGAAGAGAAGGCTCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >MR205569 protein sequence  
 Red=Cloning site Green=Tags(s)

MGLRKKNARNPPVLSHEFMVQNHADMVSCVGMFFVLGLMFEGTSEMSIAFLTLQHGIVVPAEGLPSGSRT  
 LYHYGVKDLATVFFYMLVAIIHATIQEYVLDKLSRRLQLTKGKQNKLEAGQLSVFYIVSGIWGMIIA  
 SENCLSDPTLLWKSQPHNMMTFQMKFFYISQLAYWFHSFPELYFQKVRKQDIPGQLIYIGLHLFHIGGAY  
 LLYLNHLGLLLLMLHYAVELLSSVCSLLYFGDERYQKGLSLWPIVFI SGRLVTLIVSVVTVGLHLAGTNR  
 NGNALSGNVNVLAAKIAVLSSSCSIQVYITWTLTTVWLQRWLEDANLHVCGRKRRSRARKGTENGVENPN  
 RIDSPPKKKEKAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_146140

**ORF Size:** 1092 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\\_146140.4](#)

**RefSeq Size:** 2225 bp

**RefSeq ORF:** 1092 bp

**Locus ID:** 229801

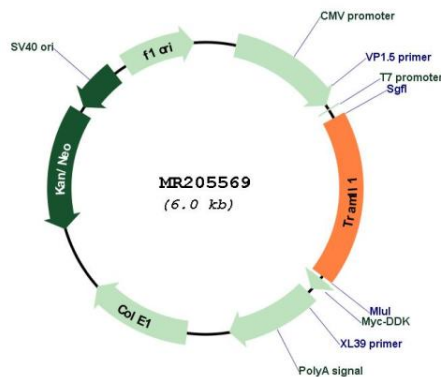
**UniProt ID:** [Q8QZR0](#)

**Cytogenetics:** 3 G1

**MW:** 41 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 MR205569