

Product datasheet for **RR202190**

Tram1 (NM_001007701) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tram1 (NM_001007701) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Tram1
 Synonyms: MGC95042
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR202190 representing NM_001007701
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGATTTCGAAGAAGAGCAACAAGAACCCGCCGGTGTGAGCCATGAATTCGTGCTGCAGAATCAGC
 CGGACATCGTCTCCTGTCTGGCGATGCTCTTCTGCTGGGGCTTATGTTTCGAGATAACAGCAAAAGGAGC
 CATCATCTTTGTGCCCCTTCAGTACAACGTTACCCGCCCTGCAACAGAAGAACAAGCTGTGAATCAGCA
 TCCTTTTATTACTATGGTATCAAAGATTTGGCTACAGTGTCTTCTACATGCTAGTGCGGATAATTGTTT
 ATGCCATAATTCAGGAGTATGTGTTGGATAAAAATTAACCGACGGATGCACTTCTCCAAAACGAAGCACAG
 CAAGTTTAAATGAGTCCGGGCAGCTCAGTGCCTTACCTTTTTGCCTGTGTGTGGGGCACATTCATTCTC
 GTCTCCGAAAACCTATATCTCAGACCCGACGATCCTGTGGAGAGCGTATCCCCATAACCTGATGACATTT
 AAATGAAGTTTTTCTACATATCCCAGTTGGCGTATTGGCTCCATGCATTCCTGAACTCTACTCCAGAA
 ACCAAAAAGAAGATATTCCTCGCCAGCTTGTCTACATCGGTCTTACCTCTCCACATTGCTGGGGCT
 TACCTTCTGAACCTGAACCATCTGGGCCCTGTTCTTCTGGTCTGCACTATTTGTTGAATTTCTTTTCC
 ACATTTCTCGTCTATTTTATTTTAGTGACGAGAAGTACCAGAAAGGGTTTTCTCTTTGGCGGTTCTTTT
 TGTTTTGGGAAGACTTCTGACCCTAATTTTCAGTCTCACTGTTGGCTTTGGCCTGGCAAGAGCAGAG
 AACCAGAAGCTGGACTTCAGTACTGGAACTTCAATGTGTTGGCGGTTAGGATCGCGTCTAGCGTCCA
 TTTGCATCACTCAAGCCTTCATGATGTGGAAGTTCATTAACCTCCAGCTTCGGAGGTGGAGGAAACATTC
 TGCCTTCCAGGCCCTCCCGTAAAAGGAAACCGGCTGTGACCAAGGCAGGTCTCCAGAAAAGGAACA
 GAGAATGGTGTGAACGGCACGGTCACGTCAATGGAGCCGACTCTCTCGGAGCAGGAAAGAGAAGTCTT
 CC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202190 representing NM_001007701
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MAIRKKSNNKPPVLSHEFVLQNHADIVSCLAMLFLGLMFEITAKGAIIFVALQYNVTRPATEEQAAESA
 SLYYYGIKDLATVFFYMLVAIIIVHAIIEYVLDKINRRMHFSKTKHSKFNESGQLSAFYLFACVWGTFIL
 VSENYISDPTILWRAYPHNLMTFQMKFFYISQLAYWLHAFPELYFQKTKKEDIPRQLVYIGLYLFHIAGA
 YLLNLNLHLGLVLLVLYHYFVEFLFHSRLFYFSDEKYQKGFSLWAVLFVLGRLLTLILSVLTVGFLARAE
 NQKLDFTSTGNFNLAVRIAFLASICITQAFMMWKFINFQLRRWREHSFAQAPPVKKRPVATKGRSSRKGT
 ENGVNGTVTSNGADSPRSRKEKSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

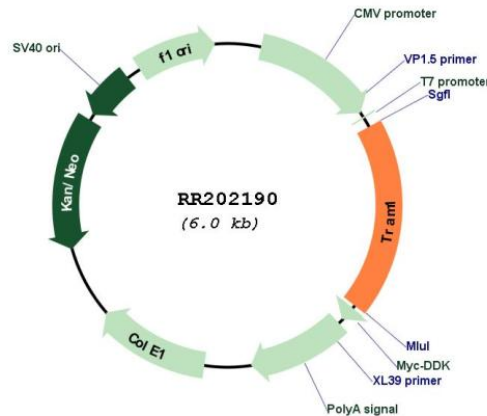
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007701

ORF Size:	1122 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_001007701.1 , NP_001007702.1
RefSeq Size:	2778 bp
RefSeq ORF:	1125 bp
Locus ID:	312903
UniProt ID:	Q5XI41
Cytogenetics:	5q11
MW:	43 kDa
Gene Summary:	Stimulatory or required for the translocation of secretory proteins across the ER membrane. [UniProtKB/Swiss-Prot Function]