

Product datasheet for **RR200337**

Tmem33 (NM_021671) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem33 (NM_021671) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem33
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200337 representing NM_021671
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGATACGACCCCGAACCGCCCCAAGGGGCGGCGCTGTGCAATTTATGATACCAATAAGCTGG
ACACAGCGATGTGGCTGTCTCGCCTGTTACAGTTTATTGCTCCGCTTTGTTCTGCTCTTCTTGG
GTTGCATGAAGCAGCAAGCTTTTACCAGCGTGCTTTGCTGGCCAATGCCCTGACCAGCGCTCTGAGGCTG
CATCAGAGATTACCACACTTCCAGTTGAGCAGAGCATTCTCGGCCAGGCCTTGTAGAGGACAGCTGCC
ACTACCTGCTGTACTCACTCATCTTCGTCAACTCCTACCCAGTTACAATGAGTATTTTCCAGTCTTGTT
ATTTTCATTGCTTCATGCTGCCACATACACTAAGAAGGTCCTGGATGCAAAGGGTTCAAATAGTTTACCT
CTGTTGAGATCCGCTCTTGATAAATTAAGTACTAATCAACAAAATATTCTGAAGTTCATCGCTTGAATG
AAATATTCTTGATGCCCGCTACAGTTTTTATGCTCTTTAGTGGTCAAGGAAGTTTGCTTCAGCCTTTTAT
ATATTATAGATTTCTTACTCTTCGATATTCCTCTAGAAGAAATCCCTATTGTCGGAACCTGTTTAAACGAA
CTGAGGATTGTTGTTGAACACATTATCATGAAACCCTCCTGCCCGCTGTTTGTGAGAAGACTGTCTCC
AGAGCATTGCCTTTATTAGCCGGCTGGACCAACAGTTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200337 representing NM_021671
Red=Cloning site Green=Tags(s)

MADTTTPNGPQGAGAVQFMMTNKLDTAMWLSRLFTVYCSALFVLP LLGLHEAASFYQRALLANALTSALRL
HQRLPHFQLSRAFLAQALLEDSCHYLLYSLIFVNSYPVTMSIFPVLLFSLHAATYTKKVLDAKGSNSLP
LLRSVLDKLLSTNQNILKFIACNEIFLMPATVFMFLFSGQGSLLQPFIIYYRFLTLRYSSRRNPYCRNLFNE
LRIVVEHIIMKPSCLFVRRRLCLQSIAFISRLAPTVA

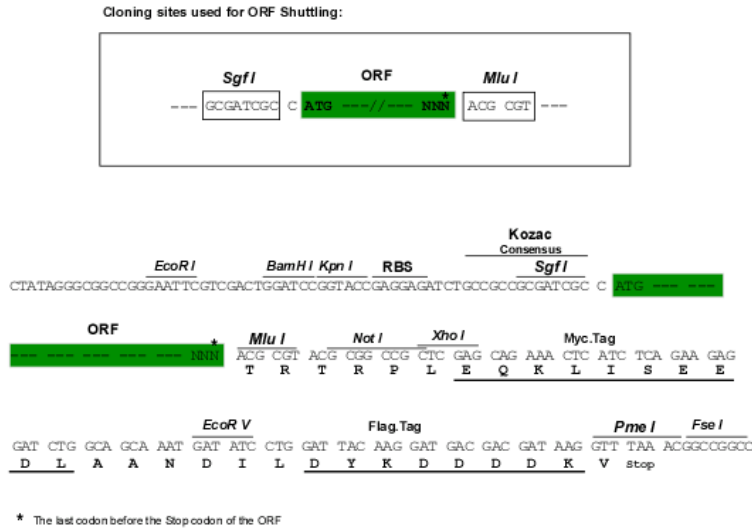
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



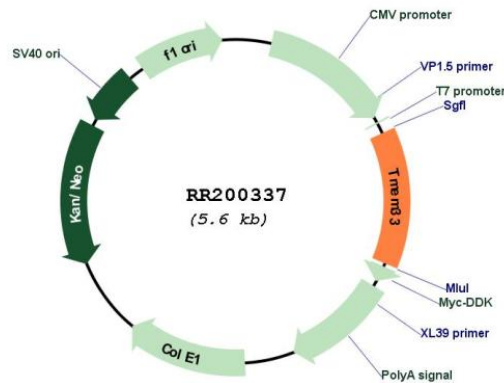
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021671

ORF Size: 741 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:	<u>NM_021671.3</u> , <u>NP_067703.1</u>
RefSeq Size:	3553 bp
RefSeq ORF:	744 bp
Locus ID:	59303
UniProt ID:	<u>Q9Z142</u>
Cytogenetics:	14p11
MW:	28 kDa
Gene Summary:	putative integral membrane protein [RGD, Feb 2006]