

Product datasheet for **RR212781**

Tmie (NM_001109299) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmie (NM_001109299) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmie
Synonyms: RGD1562523
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212781 representing NM_001109299
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGGGAGGCAGCGTGGCTCGGGCGGCTCTGGCGCTGGGCGGCCCGCGCTGGGGCTTGCCTGG
CGGGTGTGCCTCGCAGCTGGTAGAGCCCAGCACGGCCCCGCCAAGCCCAAGCCGCCCCACTGACCAA
GGAGACCGTGGTGTCTGGGACATGCGCCTGTGGCATGTGGTGGGCATCTTTCCCTCTCGTGCTGTCC
ATCATCATCAGCTGTGCTGTGTGTTCAACTGCCGTGTACCGCGACACGGAAGGAGATCGAGGCTCGGT
ATCTACAGCGAAAAGCAGCCAAGATGTACACAGACAAGCTGGAGACCGTGCCCTCCCTCAACGAACTCAC
AGAAATCCCTGGAGAGGACAAGAAGAAAAGAAGAAGGACAGTGTGGACACCGTGCTATCAAGGTAGAG
GAGGACGAGAAGAATGAGGCAAAGAAGAAGGAGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212781 representing NM_001109299
Red=Cloning site Green=Tags(s)

MAGRQRGSGRLWALGGAALGAFLAGVASQLVEPSTAPPKPKPPPLTKETVVFWMRLWHVVGIFSLFVLS
IIITLCCVFNCRVPRTRKEIEARYLQRKAAKMYTDKLETVPPLNELTEIPGEDKKKKKKDSVDTVAIKVE
EDEKNEAKKKGEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

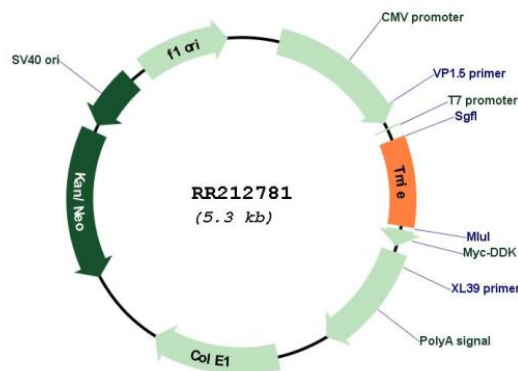
Restriction Sites: Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001109299

ORF Size: 459 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_001109299.1, NP_001102769.1</u>
RefSeq Size:	2599 bp
RefSeq ORF:	462 bp
Locus ID:	501061
Cytogenetics:	8q32
MW:	17 kDa