

Product datasheet for MR223273

Tmie (NM_146260) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmie (NM_146260) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmie
Synonyms: 5131400L21Rik; Mm.87012; sr
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223273 representing NM_146260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCCGGGAGGCAGCATGGCTCGGGCGGCTCTGGGCGCTGGGCGGCCCGCGCTGGGGGCTTGCTGG
 CGGGTGTCCGACGCAGCTGGTAGAGCCAGCACCGCCAAAGCCCAAGCCGCCCACTGACCAA
 GGAGACTGTGGTGTCTGGGACATGCGCCTGTGGCACGTGGTGGGCATCTTTTCGCTCTTCGTGTTGCC
 ATCATCATCACGCTATGCTGTGCTTCACTGCCGGTGCCACGGACGCGGAAGGAGATCGAGGCTCGGT
 ATCTACAGCGAAAGGCGCCAAGATGTACACAGACAAGCTGGAGACTGTGCTCCCTTAATGAAGTAC
 AGAAATCCCTGGAGAGGACAAGAAGAAAAAGAAGGACAGTGTGGACACAGTGCTATCAAGGTAGAG
 GAGGACGAGAAGAATGAGCCAAGAAGAAAGGAGAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223273 representing NM_146260
 Red=Cloning site Green=Tags(s)

MAGRQHSGSRLWALGGAALGAFLAGVATQLVEPSTAPPKPKPPPLTKETVVFWMRLWHVVGIFSLFVLS
 IITLCCVFNCRVPRTRKEIEARYLQRKAAKMYTDKLETVPPLNELTEIPGEDKKKKKKSDVDTVAIKVE
 EDEKNEAKKKGEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

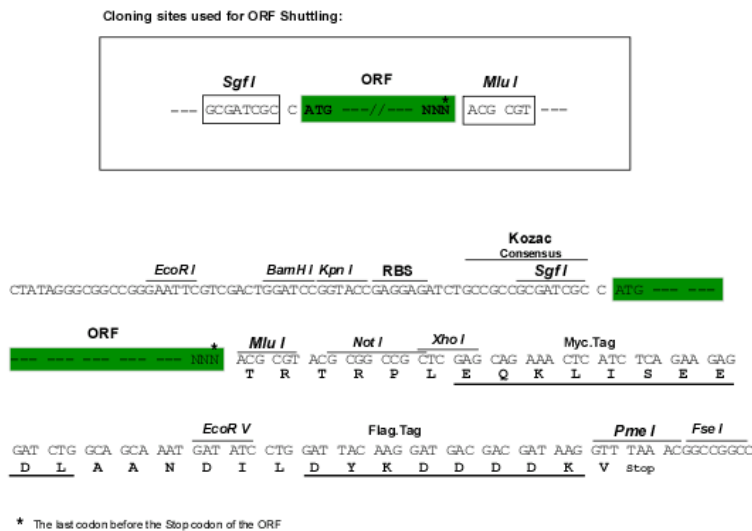
Chromatograms: https://cdn.origene.com/chromatograms/mm9025_g11.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_146260

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:

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_146260.3](#)

RefSeq Size: 2437 bp

RefSeq ORF: 462 bp

Locus ID: 20776

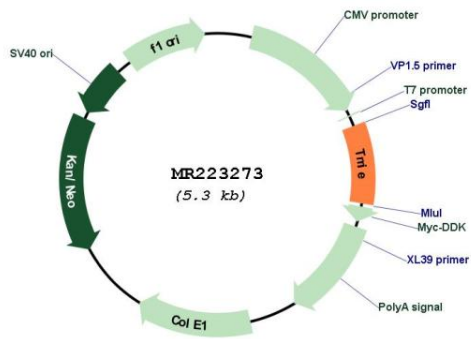
UniProt ID: [Q8K467](#)

Cytogenetics: 9 60.79 cM

MW: 17.5 kDa

Gene Summary: Unknown. The protein may play some role in a cellular membrane location. May reside within an internal membrane compartment and function in pathways such as those involved in protein and/or vesicle trafficking. Alternatively, the mature protein may be localized in the plasma membrane and serve as a site of interaction for other molecules through its highly charged C-terminal domain.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223273