

Product datasheet for MR223140

Tmed8 (NM_001033475) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmed8 (NM_001033475) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmed8
Synonyms: 6430595O10Rik; AI447224; Gm1184; Mem1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR223140 representing NM_001033475
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGGACCGGCAGGCAGCTGAGGGGCCGGCCTTCTGGAGCCCCGAGCTCGCCGAGGGTCGGCGGGCG
 GCGTCGGGGACCGACGGGGAGTGGAGGAGAGCCAGGCGGCCCTCAGAGAAGGAAGATCTGAAAGCAC
 CAACGTCAGCTCTCCACTGGCTTCTGCTTCTGATCCAGCAGCCGAGTCTCACCATACAGGCCACAGATG
 GTATCTCCAGCGAGTAAGGATACCAGGAAGATCTACAGAACGTGGCTGGTGCCTCAGAGGGTCAGGCTC
 CGGGGAGCAGGGCGCTGCCAGCAGGCCAGACCCAGGTTCTCAGTGAGATGGCCAAGTACCAAGCTCC
 ACAGCGACCTGAGGACACAGTTATGATCCAGTCTGAGCACACTGGGGCTATAGATGTTCTTTCAGCGGAC
 TTGGAATCTGCAGATCTTCTGGGGACCACAGGAAAGTCTCTCCGCTCTGATGGCTCCTCCGTGCGTCT
 GGACCTTTGCCAAAGTGAAGGAGTTCAAAGCAAGCTGGGCAAGGAGAAGAACAGCCGTCTGGTAGTGAA
 GCGGGGAGAAGTGGTACCATCCGGTCCCTACCCACCCGAGGGAAAGCGCGTGTGCTGGGAATTTGCA
 ACTGATGACTATGATATTGGTTTGGAGTTATTTGACTGGACCCAGTAAACCAGCACTGATATAACCG
 TGCAGGTCAGTGACTCCAGTGAGGATGAGGAGGAGGAAGAGGATGAAGAGGAGGAGATTGAAGAACCCTG
 CCCGGTGGGAGATGTAGAGAGAGGCTCCAGGAGTCTCTACGGGGCCGCTATGGGAGGTCATGCCTGTG
 TACCGGCGGGACAGCCACCGAGATGTGCAAGCTGGCAGCCATGATTACCCTGGGGAGGGCATCTACTTGC
 TCAAGTTTGATAACTCTACTCCTTGCTCCGCAACAAGACTCTCTACTTCCATATCTACTATACTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223140 representing NM_001033475
Red=Cloning site Green=Tags(s)

MSDRQAAEGPAFWSPAARRGSAGGVGDRRGVEESQAAASEKEDLESTNVSSPLASASDPAAESSPYRPQM
 VSPASKDTTDLQNVAGASEGQAPGEQAALPAGQTQVLSMAKYQAPQRPEDTVMIQSEHTGAIDLVSAD
 LESADLLGDHRKVSPLMAPPVWTFKVKFEKSKLGKEKNSRLVVKRGEVVTIRVPTHPEGRKVCWEFA
 TDDYDIGFGVYFDWTPVTSTDITVQVSDSEDEEEEEDEEEEEIEEPVVPVGDVERGSRSSLRGRYGEVMPV
 YRRDHRDVPQAGSHDYPGEGIYLLKFDNSYLLRNKTLYFHIIYYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9093_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001033475

ORF Size: 978 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_001033475.3](#), [NP_001028647.1](#)

RefSeq Size: 7179 bp

RefSeq ORF: 981 bp

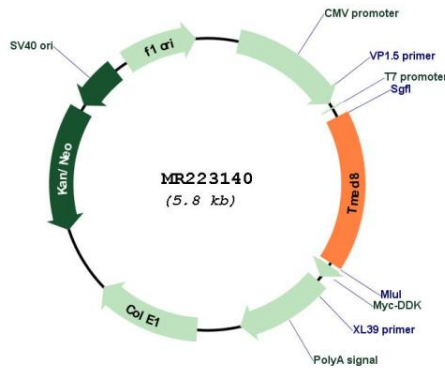
Locus ID: 382620

UniProt ID: [Q3UHI4](#)

Cytogenetics: 12 D2

MW: 35.8 kDa

Product images:



Circular map for MR223140