

Product datasheet for **RR215660**

Tmem98 (NM_001007672) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tmem98 (NM_001007672) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tmem98
Synonyms: MGC93733
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215660 representing NM_001007672
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACTGTGGTGATCGTTGCCATAGGTGTGCTGGCCACCATTTTCCTGGCCTCGTTTGCTGCTTTGG
TGGTGGTCTGTAGGCAGCGCTACTGCCGGCCTCGAGACCTACTGCAGCGCTATGATTCGAAGCCTATTGT
GGACCTCATTGGTGCTATGGAGACCCAGTCTGAACCTCCGAGTTAGAGCTGGATGATGTTGTCATCACC
AACCCCCACATCGAGGCCATTCTGGAGAATGAAGACTGGATTGAAGATGCCTCGGGCCTCATGTCCCACT
GCATCGCCATCTTGAAGATTTGTACACACTGACAGAAAACTGTTGCCATGACAATGGTTCTGGGGC
CAAGATGAAGACGTCGGCAAGTGTGACGACATCATCGTGGTGGCCAAACGGATTAGCCCAAGAGTGGAC
GACGTCGTGAAGTCAATGTACCTCCACTGGACCCCAAGCTCCTGGATGCACGGACAACCGCTCTGCTCC
TGTCCGTTAGTCACTTGGTGCTAGTGACCAGGAATGCCTGCCACCTCACCGGGGGCCTAGACTGGATCGA
CCAGTCACTGTCTGCTGCGGAGGAGCACCTGGAAGTCTTCGAGAGGCAGCCCTGGCTTCTGAGCCAGAT
AAAAGCCTCCCAACCCGAAGGCTTCTGCAGGAACAGTCGGCCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215660 representing NM_001007672
 Red=Cloning site Green=Tags(s)

METVVIVAIGVLATIFLASFAALVVVCRQRYCRPRDLLQRYDSKPIVDLIGAMETQSEPSELELDDVVIT
 NPHIEAILENEDWIEDASGLMSHCIAILKICHTLTEKL VAMTMGSGAKMKTSASVSDIIVAKRISPRVD
 DVVKSMYPPLPDKLLDARTTALLLSVSHLVLVTRNACHLTGGLDWIDQSL SAAEEHLEVLREAALASEPD
 KSLPNPEGFLQEQSAI

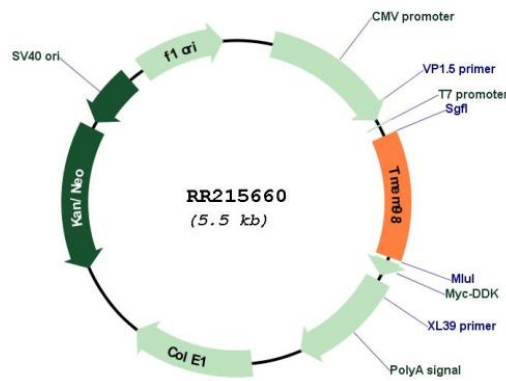
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007672
ORF Size: 678 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_001007672.1 , NP_001007673.1
RefSeq Size:	1438 bp
RefSeq ORF:	681 bp
Locus ID:	303356
UniProt ID:	Q6AYS5
Cytogenetics:	10q26
MW:	24.7 kDa
Gene Summary:	Functions as a negative regulator of MYRF in oligodendrocyte differentiation and myelination. Interacts with the C-terminal of MYRF inhibiting MYRF self-cleavage and N-fragment nuclear translocation. The secreted form promotes differentiation of T helper 1 cells (Th1). [UniProtKB/Swiss-Prot Function]