

Product datasheet for **RN217504**

Megf10 (NM_001100657) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Megf10 (NM_001100657) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Megf10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217504 representing NM_001100657 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTATTTCTCAAGCTCCTGCCTGGGCCTCATCTGCTCACTGCTGTGCCACTGGCTGAGGGCAGCAT
CCTCACTGAACCTGGAAGACCCCAATGTATGCAGCCACTGGGAAAGCTACTCAGTGACTGTGCAGGAGTC
TTACCCACATCCCTTCGATCAGATTTACTACACAAGCTGCACTGACATACTGAACTGGTTAAATGCACT
CGGCACAGAGTGAGTACCGGACAGCCTACCGCCATGGGGAGAAAACCATGTACAGACGCAAATCCCACT
GTTGCCCGGATTTTATGAAAGTCGAGAGCTGTGTGCCCTCACTGCGCTGATAAATGCTCCACGGTCG
CTGCATCGCTCCAAACACCTGTCACTGTGAGCCTGGCTGGGGTGGGACCAACTGTAGCAGTGCTTGTGAC
GGTGATCACTGGGGACCTCACTGCAGCAGCCGGTGTCACTGCAAAAACAGAGCTTTGTGTAACCCCATCA
CCGGAGCTTGTCACTGCGCCCGGGCTACCGGGATGGCGCTGTGAGGACCGTTGTGAACAGGGCACCTA
CGGTAACGACTGTCAAAAGGTGCCAGTGTGAGAATGGAGCGACCTGTGACCACATCACTGGGGAATGT
CGTTGTTACCTGGATACACTGGAGCCTTCTGTGAGGATCTGTGCTCCTGGCAAACATGGCCACAGT
GTGAGCAGAGATGCCCTGCCAAAATGGAGGCGTGTGCCATCATGCACTGGAGAGTGCTCCTGCCCTTC
TGGCTGGATGGGCACAGTGTGTGGTCAAGCCTGCCCGAGGGTCGCTTTGGAAAGAACTGTTCCCAAGAA
TGTCACTGCCACAATGGAGGAGCGTGTGATGCTGCCACAGCCAATGCACTGCAGCCAGGATACACAG
GGGAACGGTGTCAAGGATGAATGCTGTTGGAACCTATGGAGTTCGCTGTGCTGAGACCTGCAGGTGTGT
TAATGGAGGGAAGTGTACCATGTGAGCGGCACATGCCTATGCGAAGCAGGTTTTTCAGGTGAATTTTGC
GAGGCTCGTGTGCCCTGAGGGGCTTACGGCATCAAATGTGACAAGCGGTGCCCTGCCACCTGGACA
ATACTCATAGCTGTATCCCATGTCTGGAGAGTGTGGCTGCAAGCCGGTGGTCTGGACTGTACTGTAA
TGAAACATGCTCTCCTGGATTCTACGGGAAGCTTGCCAAACAGATCTGCAGCTGCCAAAACGGGGCTGAC
TGTGACAGTGTGAGTGAAGGTGTCCCTGTGCTCCAGGATTCAAAGGAAGTACTGCTCTACTCCGTGTC
CTCTGGGACGCTATGGGATAAATGTTCTTCTCGCTGTGGCTGTAAAAACGATGCTGTCTGTTCTCCTGT
GGATGGATCGTGATCTGTAAGCAGGCTGGCACGGGGTGGACTGTTCCATCAGTGCCTCCAGTGGCACA
TGGGGCTTGGCTGTAATCTAACCTGTCACTGCCTCAATGGCGGTGCCTGCAACACACTGGACGGCACT
GCACCTGTGCCCGGGATGGCGAGGGGAGAAATGTGAATTTCCCTGCCAGGATGGCACATATGGGCTGAA



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CTGTGCTGAGCGCTGTGACTGCAGCCATGCAGACGGATGTCACCCCACTACCGGCCATTGCCGATGCCTC
 CCTGGATGGTCAGGTGTGCACTGTGACAGTGTGTGTGCTGAGGGACGCTGGGGTCCCTAACTGCTCGCTGC
 CCTGCTACTGTAAAAATGGGGCTTCGTGTTCTCCCGATGATGGCATCTGTGAATGCGCACCCGGATTCCG
 AGGCACCACTTGGCAGAGAATCTGCTCCCCGGGCTTTTATGGACACCGCTGTAGCCAGACATGCCACAG
 TGTGTGCACAGCAGTGGACCATGCCACCACATCACAGGCTGTGTGACTGCTTGCCTGGCTTCACTGGCG
 CCCTGTGCAATGAAGTGTGCCAGTGGCAGATTGGGAAGAAGTGTGCAGGTGTTGTACTGCACCAA
 CAACGGCACCTGTAACCCATCGACCGTCTGTGTCAGTGTACCCAGGCTGGATTGGCAGTGCCTCC
 CAGCCCTGTCCACCAGCCCACTGGGGTCCGAAGTGCATCCATACATGCAACTGCCACAATGGAGCCTTTT
 GCAGCGCCTATGATGGGGAATGCAAATGCACTCCTGGCTGGACGGGGCTCTACTGCACTCAGAGATGCC
 TCTGGGCTTCTATGGCAAGGACTGTGCACTGGTATGCCAATGTCAAAACGGAGTACTGCGACCACATC
 TCGGGGACGTGTACTGCCGCACGGGATTCATGGGACGGCACTGTGAACAGAAATGCCCTGCGGGAACAT
 ACGGCTATGGCTGTGCCAGATCTGCGACTGTCTGAACAACCTCCACTGTGACCACATCACCGGCACGTG
 TACTGTAGCCAGGGTGGAAAGGAGCAGATGTACCAAGCTGGGGTTCATCATCGTGGCAATCTGAAC
 AGCTTAAGCAGGACCAGCACCGCCCTTCTGCTGACTCCTATCAGATTGGGGCCATCGCGGGCATCGTGG
 TCCTTCTGCTTGTGTGCTCTTCTGCTGGCGCTGTTCTGTTATCTACAGACACAAGCAGAAGAGGAAGGA
 ATCGAGCATGCCGGCCGTGACCTACACCCTGCCATGAGGGTTATCAATGCAGACTATACCATTCAGAA
 ACCCTGCCTCACAGCAATGGCGGAAATGCCAACAGCCACTACTTACCAATCCCAGTTATCACACACTTA
 GCCAGTGTGCCGCGTCCCCTCATGTGAACAACAGGGACAGGATGACCATTGCAAAGTCAAAAAACAATCA
 ACTGTTTGTGAATCTTAAAAATGTGAATCCAGGGAAGAGAGGGCGCTTTGGTGGACTGCACTGGGACGTTG
 CCAGCTGACTGGAAGCAAGGAGGCTACCTCAATGAACTGGTGTCTTTGGGCTGGACAGAAGCTACATGG
 GAAAGTCTTAAAAGATCTGGGGAAGAATTCTGAGTACAATTCAAGTACTTGTCCCTAAGCAGCTCGGA
 GAACCCATATGCCACCATTAAAGACCCTCCTGCGCTCTTGCCCTAAAAGCTCCGAGTGTGGCTACGTGGAG
 TCTATGAAGTCGAACCTACAGTCAGTGTGGTGCAGGAGTATTCAGCAACAATGGTCATGTCACCCAAGA
 CCCATATGACCTTCCAAAGAAGCAGTCACATCCCTTGCCATTATGACCTGCTGCCAGTAAGGGACAGTTCA
 TCCTCCCCAAAGAGAGAGGATGGTGGTGGCAGCAGCAGCAGCACCACCAGCAACAGCAGCAACAGCA
 GCGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001100657
- Insert Size:** 3438 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001100657.1](#), [NP_001094127.1](#)

RefSeq Size: 4054 bp

RefSeq ORF: 3438 bp

Locus ID: 291445

Cytogenetics: 18q12.1

Gene Summary: putative central nervous system protein; transcript recognized by a monoclonal autoantibody which stimulates remyelination of Theiler's virus-demyelinated neurons [RGD, Feb 2006]