

Product datasheet for **RR217504**

Megf10 (NM_001100657) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Megf10 (NM_001100657) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Megf10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217504 representing NM_001100657
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTATTTCTCAAGCTCCTGCCTGGGCTCATCTGCTCACTGCTGTGCCACTGGCTGAGGGCAGCAT
CCTCACTGAACCTGGAAGACCCCAATGTATGCAGCCACTGGGAAAGCTACTCAGTACTGTGCAGGAGTC
TTACCCACATCCCTTCGATCAGATTTACTACACAAGCTGACTGACATACTGAAGTGGTTAAATGCACT
CGGCACAGAGTGAGCTACCGGACAGCCTACCGCCATGGGGAGAAAACCATGTACAGACGCAAATCCAGT
GTTGCCCGGATTTTATGAAAGTCGAGACGTGTGTGCCCTCACTGCGCTGATAAATGCGTCCACGGTCCG
CTGCATCGCTCCAAACACCTGTCACTGTGAGCCTGGCTGGGGTGGGACCAACTGTAGCAGTGCTTGTGAC
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CTGTGCTGAGCGCTGTGACTGCAGCCATGCAGACGGATGCACCCCACTACCGGCCATTGCCGATGCCTC



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CCTGGATGGTCAGGTGTGCACTGTGACAGTGTGTGTGCTGAGGGACGCTGGGGTCTAACTGCTCGCTGC
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 CCATATGACCTTCCAAAGAAGCAGTACATCCCTTGCCATTATGACCTGCTGCCAGTAAGGACAGTTCA
 TCCTCCCAAAGAGAGAGGATGGTGGTGGCAGCAGCAGCAGCACCACCAGCAACAGCAGCAACAGCA
 GCGAA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217504 representing NM_001100657

Red=Cloning site Green=Tags(s)

MAISSSSCLGLICSLCHWLRAASSLNLEDPNVCSHWESYSVTVQESYPHPFDQIYYTSCTDILNWFKCT
 RHRVSYRTAYRHGEKTMYYRKSQCCPGFYESRDVCPHPCADKCVHGRCIAPNTCQCEPGWGGTNCSSACD
 GDHWGPHCSSRCQCKNRALCNPIITGACHCAAGYRGWRCEDRCEQGTYGNDCHQRCQCNQNGATCDHITGEC
 RCSPGYTGAFCEDLPPGKHGPQCEQRCPCQNGGVCHHVTGECSCPSGWMGTVCQQPCPEGRFGKNCQSQ
 CQCHNGGACDAATGQCHCSPGYTGERCQDECPVGTYGVRCAETCRVNGGKCYHVSGTCLCEAGFSGEFC
 EARLCPPEGLYGIKCDKRCPCHLDNTHSCHPMSGECGCKPGWGLYCNETCSPGFYGEACQQICSCQNGAD
 CDSVSGRCACAPGFKGTDCSTPCPLGRYGINCSSRCGCKNDAVCSVPVDGSCICKAGWHGVDCSISCPST
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 PGWGSVHCDVCAEGRWPNCSLPCYCKNGASCSPDDGICECAPGFRGTTQCRICSPGFYGHRSQTCPCQ
 CVHSSGPCHHITGLCDCLPGFTGALCNEVCPGRFGKNCAGVCTCTNNGTCNPIDRSCQCYPGWIGSDCS
 QPCPPAHWGPNCIHTCNCHNGAFCSAYDGECKTPGWTGLYCTQRCPLGFYKDCALVCQCNQNGADCDHI
 SGQCTCRTGFMGRHCEQKCPAGTYGYGCRQICDCLNNSCDHITGTICYCSPGWKGARCDQAGVIIVGNLN
 SLRSTALPADSYQIGAIAGIVVLLLVLFLALFVIYRHKQKRKESSMPAVTYTPAMRVINADYITAE
 TLPHSNNGNANSHYFTNPSYHTLSQCAASPHVNNRDRMTIAKSKNNQLFVNLKNVNPGRGALVDCTGTL
 PADWKQGGYLNELGAFGLDRSYMGKSLKDLGKNSEYNSSTCSLSSENYPYATIKDPPALLPKSSECGYVE
 MKSPARRDSPYAEINNSTSANRNVEVEPTVSVVQGVFSNNGHVTQDPYDLPKNSHIPCHYDLLPVRDSS
 SSPKREDGGSSSSTTTSSNSNSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_001100657.1, NP_001094127.1</u>
RefSeq Size:	4054 bp
RefSeq ORF:	3438 bp
Locus ID:	291445
Cytogenetics:	18q12.1
MW:	122.8 kDa
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]