

Product datasheet for **RR217043**

Map7 (NM_001198638) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Map7 (NM_001198638) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Map7 |
| Synonyms: | Mtap7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR217043 representing NM_001198638
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGCAGGGAGCTGGAGGCGACGGCCACAGGGGTGGCAGCGGCTACGCAGAGCGACCCAGCGT
 CTGATGGCTATAAAATACAAGGAAAGAGACCTGCCCCAGCCGCCCTACTTCCACACTTTCAGGACAAAC
 GAGCAACCACTCAGGAAATAAACAGATCCCCACCTGTGCTACGGTTGATGACCGGCAGCGTCTGGCC
 AGAGAACGCCGTGAGAACGAGAAAAACAGCTAGCTGCACGAGAAACCGTCTGGCTAGAGAGAGAAGAGC
 GAGCCCGCAGCACTATGAGAGGCACCTGGAGGCACGGAAGAAGAAGCTGGAGGACCAGCGGCTGAAGGA
 GGAGCGGAGGAGCTGCGGTGGAGGAGAAGCGGAGACAGAGGCTGGAGGAGGACAAGGAGCGCCATGAA
 GCTGTTGTTGCGCGGACGATGGAAGGAGCCAGAAGCCGAAGCAGAAGTATAACCGGTGGTCGTGGGGAA
 GCCCTCTCCACGGGAGCTCTAGCATTACAGTGGAGCATCTTGCAGCCCCATACCACGCCCTTCAAAC
 TGCACACTCTAGAAACCCAGTGGATCGACAAAACCTTTATAACGCCGCCGAGGGCTCTGCTCGGAGG
 AGGACCATTACGGGATATCGAGCTATAAAAGAGAACGAGAACACATTCCCTTCCAGTTTCCCCTGGTG
 TCCGAAGGACTCTGTCTCCATCTAATCTCAAGGGAGATCCCCAGCTCCAGCCCGCTTTGGCCCCATC
 CAAGTCCATGCCTCATCTGCCGGGACACCCCGACCGGCATCCTCCTGACTCCTGGCCCCGTGAGAGCT
 GCTGCTTCTTCTCGTCTCCTGGCAACATCCGCCCTGTCAAGAGAGAAGTAAAGTGGAGCCTGAGAAAA
 AAGACCCCGAGAAGAAAGTGACCAATGACCCACAATAAAGGGCAGGGTGCCTTAGTGAAGGTGGAGGA
 GGGCACAGTTGAAGAGGGACACCCGTGAAGCCACCTGACCTGCTGTTCCAGCCCCACTCCAGCGAGC
 GACCCAGCCCCAGCACCATCACCATCCTCTGTGAGTGTGCGTGAATTCCTAAGACTTCTGCAGGCA
 CCACTGACCCAGAAGAGGCTACGAGGCTGCTGGCTGAGAAGAGGCGTCTAGCCAGAGAGCAAAGGGAGAA
 GGAAGAAAGGGAGAGGAAGGAGAAGGAAGAGCTGGAGAGACAAAAGATAGAGGAATTGGCGCAAGGGTG
 GCTGAAGAGCGAAGTTCGAGGGAAGAGGAAGCGCGCAGGCTGGAAGCTGAGCAGGCGCGCAAGAGAGAGG
 AGCTGGCGCTGCGTCTGGCTGAAGAGGAGCGGGAGCGGTGGGAGAGGGAGGAGGTGGAGCGGCACAGAA
 GCAGAAAGAAGAAGACCCGAGCCGGGAGGAGGAGGAGGAGGCTCGGCAGGAACGAGAGAAACATTTT
 CAGAAAGAAGAGCAGGAGCGCTGGAGAGGAAGAAGCGACTTGAAGAGATCATGAGAAGAACCAGAAGGA
 CAGAGACAGCGGATAAGAAAACCACTGGGCAAAGCAATGGCGACATGGTCAAAGGAGTTCTCGCCGGAGA
 GACAGAGGTATCTGCCCTGCCAGGTGTGAACCTCCAGGACATGTCGAGTCTGCAGGACGACACATGGA
 GTGGCTTTGCAGCAATCAAAGTACCATAGAGAGTTCTCCAGATTTGGAGAAGCAGCCAAATGAAATG
 GAATGTCCACACAAAATGAAAATTTGAAGAAATTATAAACTTACCTGTTGGATCAAAGCATCCAGATT
 AGACGTCTCCAATGAGAACCAGAAATTCCTTGAACCAATTTTGGCCTTAATGATGAAGGGACACTT
 GGGCCCTACCTCAGGTGGATGGTGTGCAGACACAACAGACCACAGAAGTTATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217043 representing NM_001198638
Red=Cloning site Green=Tags(s)

MAEQGAGGDGHRGGDGATQSDPASDGYKIQGKRPA SRPTSTLSGQTSNHSGNKPDPPPVLRVDDRQLA
 RERREEREKQLAARETVWLERERARQHYERHLEARKKLEDQRLKEERRRAAVEEKRRQRL EEDKERHE
 AVVRRTMERSQKPKQKYNRWSWGSPLHGSSSIHSGASCSPITTPFKTAHSRNPVDRPKLFITPPEGSARR
 RTIHGISSYKREREHIFHVSPGVRRTLSPSNLKARSPAPARLWPPSKSMPLPGTPRPASSLTGPGVRA
 AASSSSPGNIRPVKREVKVEPEKKDPEKKVTNDPTIKGRVPLVKVEEGTVEEGTPVKPPDPAVPATPAT
 DPAPAPSPSSVSVGVIPKTSAGTTDPEEATRLLAEKRRLLAREQREKEERERKEKEELERQKIEELARRV
 AEERSRREEEARLEAEQARKREELALRLAEEERERWEREEVERAQKQKEEARREEAEKARQEREKHF
 QKEEQERLERKKRLEEIMRRTRRTETADKTTGQSNGDMVKVLAGETEVSALPGVNSPGHVESAGSTHG
 VALQQSKVTIESSPDLEKQPNENGMSTQNFEEIINLPVGSKASRLDVSNNPEIPLKPI LAFNDEGTL
 GPLPQVDGVQTQTTEVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001198638

ORF Size: 1944 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_001198638.1](#), [NP_001185567.1](#)

RefSeq Size: 3564 bp

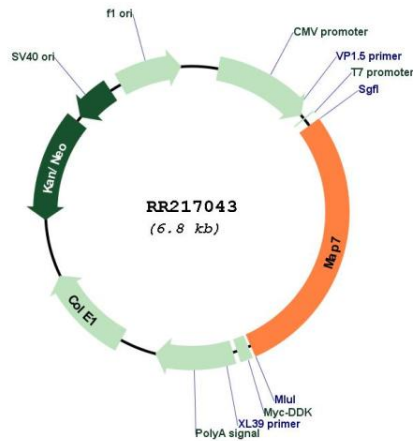
RefSeq ORF: 1947 bp

Locus ID: 293016

Cytogenetics: 1p12

MW: 73.1 kDa

Product images:



Circular map for RR217043