

Product datasheet for **RN217300**

Map10 (NM_001277391) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map10 (NM_001277391) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map10
Synonyms:	RGD1308644
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217300 representing NM_001277391

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

 ATGGCGGCCACGGCGGCCGAGCGGCTCTTCTCACTGGAGCTGCTCGTGGACTGGGTGCGGCTGGACTCGC
 CATGCTTCGCGAGCCCCGCTGTGGCGTTTCGTCTGCTGGACTTCCCGCCGCTGCTCATCCTCCCGCCGGC
 CGCTCCTGACCCGGAGCCCCAGCGCGGCCCATCACCTTCGGACGCGGCAAGCCTGCTTACTGCGCCTG
 CGCCCCGCGCCCTCCGTGCGCCACGCCTGCGCGCAGCCCTGCTGCAGCTACCGCGGTCCCGACGCCTG
 CCCCACCTCTGTTGGGAGCTTGCACATCCTGCTGGTCCCCTCGTGGGTCAACGAGGTATATTACCCCT
 GCGCGGCCCGGAGGCCGAGCGCTTGGGAATTGGCGCTTCTACCGCTTGACCGACCTGGGACGCTTC
 CCCCCGGGGCTCCAACTGCGAAGCCCCCTGAGCCCTGCGTGTATCACGGTTCGAGGCCCTGGAGG
 TGTGAGAGCCACGAACCAAGGAGACCTCGAAGCCATGCACAAAGACACCTCTGCCAGATGTCTACAGTG
 TGTCTCAATGGACGCTTCTTGGAGGCCCGAGGCCATGTGCTAAGGATACGACAACCTGGTCTGCAGGG
 GACTCAGACGCCTCAGCTGTCCAGAAGTCTGGGAAGAAGCAATCTTACACAGTAAAGCTAGCTCTGGGG
 ACATGGCTTCTGCCCCCTGTTCCCCTGCTCCAGTGGGAGGACTGTCACTCTGTCACTGAGGTGCAC
 AGAACTGGACTTTGAAACCAACACATTTGCCCTCCTCTCTGTATTACACTCACCTGACTCAGGAAAAG
 GCTCCTTCTGCCAGGTGCAAAATCACAATTGAGCCTCAGAGAAACGAACCTGAGGATCTAGAAGATGCGT
 TTCCCGAAACAAAACCTGTAGGTCTACCATAGGCCAGTGAAACATACGAGAGCTGCAATTGAGGAGAG
 CCCTCCAGTGCTTCTAAATCTTCCACAGATGCAGGTCAGGAGAGCTAACGAAGCTCCGTGCCCTCCT
 CAGACTGAACAAAGTACAGTCGGTGCAATAAGACAGCTGCCGCTGTTGAATGCTTTGTTGATGAACTGT
 CCTTGCTGTGCAACAGCCCGTGGCAATCCCTCCCAGTTTCATCCCCATTTAGCCTGGTGTACAGAGG
 CGAACACAAGGGACAGACCCTTCCACCAAGTCCACATCTCGCTCAGAATCAAAGAGCAACAAGCTTTCT
 GCGCAAGAAAATGAAAAGTTGGTGAGTCTCAGTCTACAAAGAACCCTAAAGGCAAACTCAAAAGATCA
 GTGGTAGCCCCCACCAGGTGACAAAGGGGAGGCTGCTTTATGGCTTAACAAATACACTAAGACTGCG
 TTTACAGCAGACAAACCCGGCATGCTGGTGTACACGAAAGAGAGAACAGTACAGGAGGTACAGATA
 CGAGCTGTGGGGCCAAAGTTCGAATCCCGTCTGAAAGGGAAGGTGTCAAGCTTGGCAGCAGAAAGCC
 AGATGCCACCACAGCTGCCTGGTGACACGTTAACAGACTCTAATGGGAAAGTATCAAGCTGGGCAGTACA
 AAGCCAGCTGCCACCACAGCTGCCAGGATAGATCTTTAGACTCGTATGGTCTTTGCTGAAGGCAGT
 GACACTTCAATGCTAATCAGCTCAGGCTTTGACGAGTCGAGTAGAACTAGAGAAGCAAAGCAAAGCCATG
 CTATGAAAAAAGAAACGGTTGGCCAAAGTGAAAAACAACTGTCACTTCACTGAGAGCACCTGTGAGCCC
 TGCAGTCTCTGTATCCAGAAAGATCTCCTCGATCAAATATTTTGAGAGGAAAAATGAAAAAGCAAGTC
 CAAAGCCCAGGACTTTCCCGACAGGATCCTGCTGTTGACAAAGCTGTAGGTGAGGGGATAGATGGTAAGC
 AAGTCAAAGCAGCAAGTGTGCGGATACTAATGAAAAAGACACCCAGTAGAAAAAGTTCTGCGAGAG
 CACCTCAGAGCTACAGTGTGGGATGGGTCCACCAGCCCTTGTATTCTGAAGACTTCTGCACAACTGAG
 AATAATAGCAGAAGTCTGCCAGTCTGACAGCAGCACAGGGGCAGAGTATGCTCAAAAGGGTTCATGGG
 CGAGCAAGTCAAGTGAGGCAAGGCTGTCCACAAGGAAAAACAGCAGTGAGTCGAGTCTGTGTTACCCCC
 TCCCTTTTCTGCTGGCTCACCAGTGTGTTCTCAAAAAAGATCTCGTGTACTGAAGACTCACGATAGTCTG
 GAGGAAGCATCCAGTCTCTCCACCAGTGATTTTTCATCACAGTGAGACAAATGAAAAGGAAAAACAGGCAG
 ATCCAGGTAGTTCAAAGATCAGGAGGAGACAGGACCGCTCCACTAACTTAAAGTAGGAAGTGGTACAA
 GTCATCTGAGAAAAGCCACTCAGCAAGGACATCTCAAGTTAGTTCTTATGAACCATCAAATTTGTCTGAG
 CTAGAAGTCAAGGCCATAGATGACATAGATAGTGCATCACTGGCTTCCAAGAAGAGGAAGATGGCCTTG
 GTTCCCTTCGATCTCCAGACAGTGCAGAGACATCTGCGAGTTAGTAATAATAAACTTCCAGGATACAC
 GGT**GTA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001277391

Insert Size:	2667 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:	<u>NM_001277391.1, NP_001264320.1</u>
RefSeq Size:	2793 bp
RefSeq ORF:	2667 bp
Locus ID:	307948
UniProt ID:	<u>D3ZAP3</u>
Cytogenetics:	19q12
Gene Summary:	Microtubule-associated protein (MAP) that plays a role in the regulation of cell division; promotes microtubule stability and participates in the organization of the spindle midzone and normal progress of cytokinesis.[UniProtKB/Swiss-Prot Function]