

Product datasheet for **RN206859**

Map1s (NM_001106070) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map1s (NM_001106070) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map1s
Synonyms:	Bpy2ip1; Mtap1s
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN206859 representing NM_001106070
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCGGCGGTGATGGCGGCGCCGAGCCTGCGGAGGCGCCAGCTCCCTGCTGTTGCTGGTGGGCG
 GCGAGTGGGTTGCCCGGGCTGCTGGCTACGTCCTGGAGGAGTTGGAACGAGGTGTTGCTCGTGGGA
 GGATGTAGACCCCGATGTTTGCAGCCTGGATGAGCAGCTCAAGGCCTTTGTGCCCGCATTCCGCCACC
 TTCTCCAGCATAGTGAAGGGCAGCGGAGCCTGCACCACCGTGGAGAGACCTGGAGACACTGGTCTGC
 TGAATCCCTCAGACAAGTCCCTGTGTGATGAGCTCCGGAACCTCCTGATGGACCCCGCCCTCACAACT
 GCTGGTCTGGCAGGGCCCTGCCTGGAGGAGACTGGGAGCTACTGCTGCAGACTGGGGGTTCTCGGCC
 CACCACTTCTGCAGGTGCTGGGGGACAAAGAGGTTGAGGATGCACTGGCCTCGGCACCAGCAGCCCGG
 CCCTCACAGTGTCTGTCAACCTTTGGGACTGGGCGTCTGGGACCTGCACCTGGGCTGCGGTTGCG
 ACTAAACCCGCTGCACGGCTGCCATCCTCAGAGGGCTCCGTGCCTTCTGGAGTATGTGGCTGAGTCG
 CTGGAGCCACCATCGCCCTTCGAGTTGTTGGAACCCCGCTACAGGTGGCTTTCTGCGCCTGGCAGCAG
 CCTGTTGCTATGTGTTCCCGGTGGCCTGGGAGACGCTGCCTTCTTCGCTGTCAACGGCTTTACAGTGCT
 GGTGAACGGCGGCTCAAACCCCAAGTCGAGCTTCTGGAAGCTGGTGCGCCACCTGGATCGCGTGGACGCC
 GTGCTTGTGACCCACGCGGGTGTGACAGCCTGCCTGGCCTCAACAGCCTGCTGCGCCGAACTGGCAG
 AGCGAGAGGCAGCCGAGGACCGCAGGGACAGCATGAGGAGCGGCTGCGTAGGCTGCTGTACCTGCACT
 GGGCGTGGTGTCTGAATGCTCGTGAGGCTGGGTGCGGTTACGTGGGGGCGAGGACGAGGCAGTGTGT
 GCGCGGAGCCTGCTACGAGCCTGGGCATCGTCCCTCTGCCGTCAGCGCGGCCACAGCCCTCGTGCC
 CCACAGTCCCTTCGAGAAGCTAGGCGTAGGCCGCTTGTGCTCTTTGTGCTGCATCCTCCTCTGGGA
 CCTCGCAGCACCTGCCTGTGCTCTGCTCGTGTGGCAGCCAGCAGCGCCTGGTGACAAGGTGGTCCGAGTG
 CTGTTTCTGGCCGACACCACAGCGCCTGCTGGATGGGCTACAGCGCCTGCAGCACCTGCCGTGCC
 TACGTAGGCCAGTAGTCACCACGCAAGACCTGGAAGTGCCTCAAGGGCCAAACAGCAAGACAGTCTGGC
 CTCGAGGGACAGTACACGCAAGGAGCCAGTCCGTGGCACTGTTGGTGCCACCAGCAGGAGTGCAGTGCGA
 AGGGAACCTGCCCTGGCCACTCGTGACCAGAAGAAGGACACAAACCTGGGCCACTCGGTCTACAGTCC
 GAGACGTGCGCGCTCCGGGCTGGTGTGTACCACAAAGCCTCGAGTGTACAGAATGGGCTCGTGC
 CCCAGTTCAGCAGCGCCACCTGCAGCCCTGCGCCGAGTTCCTGGAGAAGCAGAGAATCGTGGAG
 TCGGAGCGGCCACCTGCCCCATCCCCGACCTTGTCCCCAGCTCAGTCCCCACCACCTACAGCACCAGGCA
 ATAGCCCTGAGCGCTATCACTACGCCCCTGCGCCAGAACCTGCCCCAGACGATCCCCGTACGCCAC
 AACGCCACGCTGACCACACCTCTCTTCCCGGAGCTGGGCTACCCCACTCACTGAGGTGGACGAG
 TCGCTCTCCGTGTCTTCGAGCAAGTACTGCCAGCAGGTGATGCAGGGCTTAGCCTGCCCTGCGCTCG
 CACGCCGTCCACATCTCTCATGATGTAGACCTGTGCCTTGTGTACCCCTGTGAGTTTTACACCGCAA
 GCCACCCCTCTGCATCCCCAGGCAGCTCAGACAGCAGTGTCTGGTACAGGAGCGGCCACCCGAGACT
 CCACCCACGTCTGTGAGCGAGTCACTGCCACATTGTCTGACTCTGATCCCGTGCCTGTGGCGGATTCTG
 ATGACGATGCAGGCAGTGAAGCGCGGCCAGGGACCCGCTGCCTACACCTCGTGTGCCACCACCACTGCC
 GGACGCACCAGGAATCTGCATGGTGGACCCTGAGGCGCTACCACCTCGTGCACGGCAGCCTCTCAGCACA
 GCCAATTCAGCCGTGGCCGCAAGGCCCTGCAAGGCCAAGCTCTGCGTCTGCAGCCCCAGAGCTGCAA
 CTGTAGCTGCCAAGACAAAGGTCCAGTGGGGACCGGAGCCGGCCACTCAGTGCCCGCAGCGAGCTGC
 AGACAAACCAGGCCGAGTGCCCTCACCAGGAAGCCCTCGGTCCCTAAGACAGTCCCCAAGATGGCTCT
 GCCACAAGGAACCTCTGGACCCAGTAGCCGCCCTGCACCGTTGCTGTGGCTCCCCTGTGTACCTGG
 ACCTGGCTACCTGCCTGGTGGCGGTGTGGCCACCTGGACCAGAACTTCTTCTGCGTGTGCGTGCAGT
 CTGCTATGTCATCAGTGGCAAGGCCAGCGCCAGGAAGAGGGCCTGCGTGGCGTGTGGATGCATTGCTG
 GCTGGCAAGAGGCAGTGGGACCTTGACCTGCAGGTCACTGATCCCCACCTTCGACTCTGCAGTGTGC
 ACAGGTGGTATGAGGAGACGATGAGCAGCACCAGGCACTGGGCATCAGGGTGTGGGCAGCGGCAGCCT
 GGTGTCCATGCAGGACGAGGCCTTCCCTGCCTGCAAGGTGGAGTTCT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001106070
Insert Size:	2919 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).
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_001106070.1, NP_001099540.1</u>
RefSeq Size:	3189 bp
RefSeq ORF:	2919 bp
Locus ID:	290640
UniProt ID:	<u>P0C5W1</u>
Cytogenetics:	16p14
Gene Summary:	Microtubule-associated protein that mediates aggregation of mitochondria resulting in cell death and genomic destruction (MAGD). Plays a role in anchoring the microtubule organizing center to the centrosomes. Binds to DNA. Plays a role in apoptosis. Involved in the formation of microtubule bundles (By similarity).[UniProtKB/Swiss-Prot Function]