

Product datasheet for **MC222928**

Map1s (NM_173013) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map1s (NM_173013) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map1s
Synonyms:	6430517J16Rik; Bpy2ip1; Map8; Mtap1s; VCY2IP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222928 representing NM_173013

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

 ATGGCGGCAGTGATGGCGGCCCGAGGCTGTGGAGGCGCCAGCTCCCTACTGTTGCTGGTGGTGGGTG
 GCGAGTGTGGCTGCCCCGGGCTGCTGGCTACGTCATGGAGGAGTTGGAACGAGGTGTTCCGCTCCTGGGA
 GGATGTGGACCCCGCTGTCTGCAGCCTGGATGAGCAGCTCAAGGCCTTCGTGTCCCGGCATTAGCCACC
 TTCTCCAGCATTGTGAAAGGGCAGCGGAGCCTGCACCACCGTGGAGAGACCTTGGAGACGCTGGTCTGC
 TGAACCCCTCAGACAAGTCCCTGTGTGATGAGCTCCGGAACCTCCTGATGGACCCCGCCCTCACAAGCT
 GCTGGTCTGGCGGGCCCTGCCTGGAGGAGACTGGGGAAGTGTGTGCAGACTGGGGGTTCTCGGCC
 CACCACTTCTGCAGGTGCTGGGGGACAAAGAGGTCCAGGATGCACTGGCCTCAGCACCAGCTGCCCCAG
 CCCTCACTGTGCTGTCCAACCTTTGGGACTGGGCACTGTTGGGCCCTGTGCCGGGCTGCAGCTGCG
 ACTAAATCCGCCCGCGCAGCTGCCGGCCTCAGAGGGCCTTCGTGCCTTCTGGAGTATGTGGCTGAGTCG
 CTGGAGCCGCATCGCCCTTCGAGTTGTTGGAGCCACCGCTGCGGGCGGCTTTCGCGCTTAGCAAGGC
 CCTGTTGCTATGTGTTCCCGGTGGCTTGGGAGACGCCGCTTCTTCGCTGTCAACGGCTTTACAGTGCT
 GGTGAATGGTGGCTCAAACCCCAAGTCGAGCTTCTGGAAGCTGGTGCACCACCTGGATCGCGTGGACGCT
 GTCCTTGTGACCCACGCGGGTGTGACAGCTTGGCGGGCCTCAACAGCCTGCTGCGCCGAAGCTGGCAG
 AGCGCAAGCAGCCGAGGACCAGGGACAGCATGAGGAGCGGCTACGTCGCCTGCTGTCGCTGCGCT
 GGGTGTGGTGTTCCTGAATGCTCGTGAGGCTGCTTCTCGGTTGCGTGGGGGCAAGACGAGGCTGTGTGT
 GCTCGGAGCCTGCTGCGGAGCCTGGGCATTGCGCCTCTGCCACTGCAGCGTGGCCACAGCCCTCTTGCC
 CCACTGTCTTTTCGAGAAGCTGGGCGTAGGCCGCTAGAGCTTTTGTGCTGCACCCTCCTCCTGGGA
 CCCTGCAGCGCCTGCCTGTGCTGCTCGTGTGGCAGCCAGCGGCGCTGGCGACAAGTTGTGCGTGTA
 CTATTTCTGGCCGACGCCGCCCGCGCCTGCTGGATGGGCTACAGCGCCTGCAGCACCTGCCGTGCC
 TGCGCAGGCCAGTAGTTACCACGCATGACCTGGAAGCGCCTCCAGGGCCAACAGCCAAGACAGTCTGGC
 CTCGCGGGACAGTGACGCAAGGAGCCAGTCCGTGGCACTGTTGGCAGCATTGCCAACAGGAGTACAGTG
 CGAAGGGAGCCTGCCCTGGCCACTCGTGACCAGAAGAAGGACACAAGATCTGGGCCCACTCAGCCTACTG
 CCCGAGACACACGCCGCTCCGGGCTGGTGTGGTCAACACAAAGCCTCGTGATCACAGAATGGGCTCG
 TGCCCCAGTTCTGGCAGCGCCACTCACAGCTCCTGTGGCTGAGTGCCCTGGAGAAGCGGAGAATCTTG
 GAGTCTGAGCGGCCACCTGCCCCATCCCAACTCTGTCCCAGCTCAGTCCCCACCCTACAGCACCTG
 GTAATAGCCCTGAGCGCCTGTCACTCAGCCCTCTGCGCCAGAGCCTGCCCTGATGCGTGCCTCAGC
 CACGACGCCACGCTGACCACGCCCTCTTTCCTGCGGAGCTGGGCTCACCCCACTCAACTGAGGTGGAC
 GAGTCGCTCTCTGTGCTTTTCGAGCAAGTCTGCCAGCAGGTGACCCAGGGCTTAGCCTGCCCTGCGCC
 TCGCGCGCCGCTCCACGTCTCCTCATGATGTGGACCTGTGCCTCGTGTACCCCTGTGAGTTCTCTCATCG
 CAAGCCACCCCTCCTGCCTCCCCAGGCAGCTCGGACAGCAGTGTGCGTACAGGAGCGGCCACCTGAG
 ACTCCACCCACGTCTGTGAGCGAGTCACTGCCCACACTATCTGACTCTGATCCCGTGCCCGTGGCGGATT
 CTGATGATGACGAGGACGAGAGCGCGGCCAGGACCCGCGCCTACACCTCGTGTGCCACCACCACT
 GCCAGATGTACCAGGAATCTGCATGGTGGACCCGAGGCGCTACCGCCTCGTGCCCGGAGCCCTCAAC
 ACCACCAATCCCAGCCGTAGCCGCAAGGCCCTGCAAGGCCTAGCTCTGCCTCTGCCACCCCAAGAGCTG
 CAACTGTAGCTGCCAAGACAAAGGGCCCGCGGGGACCGGAACCGGCCACTCAGCGCCCGCAGTGAGCC
 TGCAGACAGGCCAGGCCGTGTGCCCTTACCAGGAAGCCCTCAGTCCCTAAGACCGTTCCCAAGATGGCC
 TCTGCCACAAGGCTCTCCTCCGACCCAGTGGCCGCCCTGCACCGCTTGTGCTGGCTCCCTGTATACC
 TGGACCTGGCCTACCTGCCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 ACTCTGCTATGTCATCAGTGGGCAAGGCCAGCGCCAGGAAGAGGGCCTGCGAGCTGTGCTGGATGCACTG
 CTGGCTGGCAAGCGGCAGTGGGACCTTGACTTGCAAGTCACTGATCCCCACCTTCGACTCTGCGGTGA
 TGCACAGGTGGTATGAGGAGACGCATGCGCAGCACCAGGCACTGGGCATCAGGTGCTGGCAGTGGCAG
 CCTGGTGTCCATGACGAGCAGGCTTCCCGCCTGCAAGGTGGAGTTC**TAG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_173013
Insert Size:	2922 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_173013.3, NP_766601.2</u>
RefSeq Size:	3284 bp
RefSeq ORF:	2922 bp
Locus ID:	270058
UniProt ID:	<u>Q8C052</u>
Cytogenetics:	8 B3.3
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 (By similarity). Involved in the formation of microtubule bundles.[UniProtKB/Swiss-Prot Function]