

Product datasheet for **MC228819**

Map7 (NM_001198635) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map7 (NM_001198635) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map7
Synonyms:	E-MAP-115; MAP-7; mshi; mste; Mtap7; R75000; ste
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228819 representing NM_001198635
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGCAGGGAGCTGGCGGCGACGGCCACAGGGGCGGCGACGGCGCTACGCACAGCGACCCAGCGT
 CTGATGGCTATAAAGTACAAGAGAAGAGAAGTGCCTCCAGCCGCCACTTCTACAGTTTCAGGACAAAC
 TAGCAACCACTCAGGAAACAAACAGATCCCCACCTGTGCTACGGTTGATGACCGGCAGCGGCTAGCC
 AGAGAACGCCGAGAGAACGAGAAAAACAGCTAGCTGCACGAGAAACCGTCTGGCTAGAGAGAGAAGAAC
 GAGCCCGCAGCACTATGAGAGACATCTGGAGGCGAGGAAGAAGAAGCTGGAGGACCAACGGCTGAAGGA
 GGAGCGGAGGAGGCTGCGGTGGAGGAGAAGCGGAGGCAGAGGCTGGAGGAGGACAAGGAGCGCCATGAA
 GCTGTTGCCGACGACGATGAAAGGAGCCAGAAGCCAAGGCAGAAGTCTAACCGCTGGTCTGGGAA
 GCCCTCTCCATGGGAGCTCGAGCATCCACAGTGGAGATCCAGACAGGCGCTCAGTTTCCACCATGAATCT
 TTCGAAACATGTTGATCCTGTCATTAGCAAGCGGCTCTCTCCTCGTCTGCAACTTGTCTAACTCTCCA
 GATAGAGCTCGCCGCTCGAGCTCAGCCCTGGGAGAGCAGCGTTGTTAGCAGACTTCTGACGCCACAC
 ATTCGTTCTGGCCAGAAGCAAAAGCACGGCCGCTTGTCTGGAGACACAGTTATCCCCATTTGTCTCG
 TTCAGCATCTTGACGCCCATCATGTCCTTCAAAGCTGCACACTCTAGAAACCCAGTGGACCGACCA
 AAATCTTTGTAACACCGCCTGAGGGCTCTGCACGAAGGAGGACCATTCATGGACTAGCGAGCCATAAAA
 GAGAGCGAGAAAGAGAACACGTTCCCTTCCACGTTTCCCCGGGCGCCCGCAGGACTCTGTCTCCATCTAA
 TCTCAAAGCGAGGTCACCGGCTCCAGCCCGCTTTGGCTCCCATCCAAGTCCATGCCTCATCTGCCTGGT
 ACTCCCCGGCCTGCATCCTCCTTGCTCCCGCTCAGTCAGAGCTGCTCCGCTCAGGCCCTCCTCCT
 CTCTCGCAACATCCGGCCTGTCAAGAGAGAAGTGAAGTGGAGCCTGAGAAGAAAGACCTTTACCCGC
 AGTAAAGAGCAGGGTGCCATTAGTGAAGGTAGAGGAGTACAGTCGAAGAGGGGACACCCGTGAAGCCA
 CCTGAGCCTGCTGCTCCAGCCTCGGCCCCATTGCAACCCAGCCCTGCTCCAGCTACGGACCCGCCCC
 CAGTCCCTGCACCATCATCCACTGTGACTGTGCGGTGAGTTTCTAAGACTTCTGCAGGCACCACCGACCC
 AGAGGAGGCTACGAGGTTGCTGGCTGAGAAGAGGCGTCTAGCCAGAGAGCAGAGGAGAAGGAGGAACGG
 GAGAGGAAGAAAAGGAAGAGCTGGAGAGACAAAAGATAGAGGAATTGGCCGTAGGGTGGCTGAAGAGC
 GAAGTCGAGGGAAGAAGAAGCCCGCAGGCTGGAAGAGGAGCAGGCTCGAGAGAAAGAGGAGCTGGCGCT
 GCGTCTGGCTGAGGAGGAGCGGGAGCGGTGGGAGAGGAGGAGTGGAGCGCTGCAGAAGCAGAAAGAA
 GAAGAAGCCCGAGCCGGGAGGAGCAGAGAGGCTCGGCAGAAACGAGAGAAGCATTTCAGAAAGAAG
 AGCAGGAACGGCTGGAGAGGAAGAAGCGACTTGAAGAGATTATGAGAAGAACCAGGAGGACAGAGACCGC
 TGATAAGAAAACCACTGAGCAAAGAAATGGTGACATAGCCAAAGGAGTTCTCACTGGAGAGCCAGAAGTA
 CCTGCACTGCCGTGATGGCCTTCTCAGAAAACGGAGAGTCTGCAGAGAGCCACATGGAGTCGCTTTAC
 AGCAATCAGAAGTGACCACAGAGAGTTCTCCAGATTTGGAAAAACAGCCAAATGAAAACGGAAATGTCCAT
 ACAAAATGAAAATTTGAAGAAGTTATAAACTTACCTGTTGGATCAAAGCGTCCAGATTAGATGTCACC
 AATGAGAACCAGAAATTCCTTTGAAACCAATTTGGCCTTAAATGATGAAGGGACACTTGGGCCCTAC
 CTCAGGTGGATGGTGTGCAGACACAACAGACCCGAGAAGTTATATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001198635
Insert Size: 2217 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:	<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_001198635.1</u> , <u>NP_001185564.1</u>
RefSeq Size:	3951 bp
RefSeq ORF:	2217 bp
Locus ID:	17761
UniProt ID:	<u>O88735</u>
Cytogenetics:	10 9.75 cM
Gene Summary:	<p>Microtubule-stabilizing protein that may play an important role during reorganization of microtubules during polarization and differentiation of epithelial cells. Associates with microtubules in a dynamic manner. May play a role in the formation of intercellular contacts. Colocalization with TRPV4 results in the redistribution of TRPV4 toward the membrane and may link cytoskeletal microfilaments.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate splice site in the CDS, as compared to variant 1. The resulting isoform (2) has an additional segment, as compared to isoform 1.</p>