

## Product datasheet for MC203655

### Map6 (NM\_001048167) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map6 (NM_001048167) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map6
Synonyms:	2810411E12Rik; Map-6; Mtap6; STOP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC053039

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GCTTGCTGAGCCGCAAAAAAGGGTGGGGCCGCTCTCTGCAGCAGAAGACGACAGCGGCAGCGGCTGCGG
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CAGGCAAATCCGGGAGGAGGTGGCGAGTACAGTAAGCAGCTTTACAGGAATGAATTCAGAGCATGGACT  
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CAAATCAATGGGTCCCCCCCCACCACCTCCAGTTATAAATAAATGCTAAAGACAAACAAAAA AAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_001048167  
**Insert Size:** 1707 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC053039</a></u> , <u><a href="#">AAH53039</a></u>
<b>RefSeq Size:</b>	4980 bp
<b>RefSeq ORF:</b>	1707 bp
<b>Locus ID:</b>	17760
<b>UniProt ID:</b>	<u><a href="#">Q7TSJ2</a></u>
<b>Cytogenetics:</b>	7 E1
<b>Gene Summary:</b>	<p>Involved in microtubule stabilization in many cell types, including neuronal cells (PubMed:9600916). Specifically has microtubule cold stabilizing activity (PubMed:9600916). Involved in dendrite morphogenesis and maintenance by regulating lysosomal trafficking via its interaction with TMEM106B (By similarity). Regulates KIF5A-mediated axonal cargo transport (By similarity). Regulates axonal growth during neuron polarization (PubMed:28521134).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant(2) lacks an alternate in-frame exon in the 3' coding region and differs in the 3' UTR, compared to variant 1. This results in a shorter protein (isoform 2, also known as E-STOP) with a distinct C-terminus, compared to isoform 1.</p>