

## Product datasheet for **MC208921**

### Mab2111 (NM\_010750) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mab2111 (NM\_010750) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mab2111  
**Synonyms:** AW047968  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC208921 representing NM\_010750  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATCGCGGCCAGGCCAAGCTGGTCTACCACCTGAATAAGTACTACAACGAGAAATGCCAGGCCAGGA  
AAGCTGCCATCGCAAACCATCCGGGAAGTCTGCAAAGTGGTCTCCGACGTCTGAAGGAGTTGAAGT  
GCAGGAACCGCGTTTCATCAGCTCCCTCAATGAGATGGACAACCGCTACGAGGGCCTGGAGTTATCTCT  
CCCACCGAGTTCGAGGTGGTACTCTATCTGAACCAAGATGGGGGTGTTAACTTCGTGGACGACGGCTCCC  
TGCTGGCTGTGCGGTGCTGAACTGAGCGATGGGCGCAAGAGGAGCATGTCCCTCTGGGTGGAATTCAT  
CACCGCTCTGGCTACCTCTCGGCACGCAAAATCCGTTCCAGGTTTCAGACACTGGTGGCTCAGGCGGTG  
GACAAGTGTAGCTACAGAGATGTAGTAAAGATGGTGGCTGACACGAGCGAAGTAAAAGTGAATCCGAG  
ATAGGTATGTGGTGCAGATCACCCGGCCTTTAAATGCACCGGATTTGGCCGCGGAGTCTGCCACTG  
GCCGCTTCCCCACATCCCCTGGCCAGGACCAACCGGGTGGCAGAGTTAAGGCTGAAGGTTCAATTTG  
TTGTCCAAGGAGTGCCACTCCCTGGCCGCAAGCAGAGTTCGGCTGAGAGCGATGCTTGGGTGCTGCAGT  
TTGCAGAGGCCGAGAACAGACTGCAGATGGGGGGCTGCAGGAAGAAATGCCTCTCTATCCTGAAAACCT  
GGGTGATCGCCACCTGGAGTTGCCAGGCCAGCCCTGAACAACCTACCACATGAAGACTCTGGTGTCTCTAC  
GAGTGCAGAGAAGCATCCTCGAGAGTTCGGACTGGGACGAATCTTGCTGGGCGATCGGCTGAACGGAATTC  
TTCTGCAGCTCATCTCATGCCTGCAGTCCCGGGTGTCCCCATTACTTCTTACCGAACCTAGATCTGTT  
TCAAGGCAAACCCACTCGGCCTTGAAAACGCTGCTAAACAACGTGGCGACTGGCAAGAGAGATCCTG  
ACCAACCCAAAAAGTTTGGAAAACTTAG

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_010750



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<b>Insert Size:</b>	1080 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="#">NM_010750.3</a></u> , <u><a href="#">NP_034880.1</a></u>
<b>RefSeq Size:</b>	2793 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	17116
<b>UniProt ID:</b>	<u><a href="#">O70299</a></u>
<b>Cytogenetics:</b>	3 C
<b>Gene Summary:</b>	Required for several aspects of embryonic development including normal development of the eye, notochord, neural tube and other organ tissues, and for embryonic turning (PubMed:11857508, PubMed:12642482). It is unclear whether it displays nucleotidyltransferase activity in vivo (By similarity). Binds single-stranded RNA (ssRNA) (By similarity).[UniProtKB/Swiss-Prot Function]