

## Product datasheet for **MC209010**

### Nap1l4 (NM\_008672) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nap1l4 (NM\_008672) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Nap1l4  
**Synonyms:** 2810410H14Rik; AI316776; D7Wsu30e; Nap2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209010 representing NM\_008672  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCAGAAAACAGTCTTTCAGATGGAGGCCCTGCAGATTCTGTGGAAGCTGCTAAAAATGCCAGTAATA  
CAGAAAAACTCACAGACCAGGTGATGCAGAACCACAAGTCTGGCAGCTTTCAGGAACGTCTTGACAA  
CGTCTCTCACACTCCTTCTAGTTACATAGAACTTTACCTAAAGCTGTCAAAGAAGAATTAATGCCCTG  
AAGCAGCTCCAGGTGAGGTGTGCGCACATAGAAGCTAAGTTCTACGAGGAAGTTCATGACCTGGAGAGGA  
AGTATGCAGCCTTGACCAGCCTCTATTTGACAAGAGAAGAGAATTCATCACTGGTGACGTGGAGCCAC  
AGATGCAGAGTCAGCGTGGCACAGTGAGAATGAGGAGGAGGACAAGTTGGCTGGAGATATGAAGAATAAA  
GTAGTCATAGCTGAGAAAGAAGCAGCAACAGTGGAAAGAGCTGAACCCAAAGGCATCCCTGAGTTCTGGT  
TCACCATCTTCAGAAATGTGGACATGCTTAGTGAGCTGGTGCAGGAATATGATGAACCGATCTTGAAACA  
TCTGCAGGATATTAAGTGAAGTTTTGAGACCTGGACAACCTATGTCTTTGTGCTAGAGTTTCACTTT  
GAACCAACGACTACTTCACCAATCCTGTCCTGACGAAAACGTACAAGATGAAATCAGAGCCAGACAAGG  
CGACCCGTTTTCTTTGAAGTCTGAAATTGTGGACTGTGATGGGTGTACAATAGACTGGAAGAAAGG  
AAAAAATGTCACAGTCAAACCATCAAGAAAAAGCAGAAGCACAAAGGGCCGGGGCACCGTACGAACCATC  
ACCAAGCAAGTGCCCAATGAGTCCTTCTCAACTTCTTCAAGCCCTGAAAGCCTCTGGAGATGGAGAAT  
CTCTGGATGAAGATCCGAGTTCACCTTAGCCTCTGACTTTGAAATGGGCACCTTTTTCTGAGCGCAT  
CGTGCCACGGGTGTCTCTACTTCACTGGGGAGGCCATAGAGGATGATGACAATTTTGAAGAAGGGCAG  
GAAGGTGAAGAGGAGGAATTGGAAGGTGATGAAGAAGGAGAAGATGAGGATGATGCTGATGTTAACCCCA  
AGGTG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_008672
<b>Insert Size:</b>	1128 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_008672.3</a></u> , <u><a href="#">NP_032698.1</a></u>
<b>RefSeq Size:</b>	2335 bp
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	17955
<b>UniProt ID:</b>	<u><a href="#">Q78ZA7</a></u>
<b>Cytogenetics:</b>	7 88.24 cM
<b>Gene Summary:</b>	Acts as histone chaperone in nucleosome assembly (PubMed:28366643). In condensing spermatids, mediates the loading of the heterodimer composed of histones H2AFB1 and HIST1H2BA/TH2B onto the nucleosomes, thereby promoting the replacement of histones to protamine in male germ cells (PubMed:28366643).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains an alternate 3' coding exon compared to variant 1, that causes a frameshift. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a.