

## Product datasheet for MC227436

### Nap1l4 (NM\_001285490) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nap1l4 (NM\_001285490) 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:** >MC227436 representing NM\_001285490  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGAAAACAGTCTTTCAGATGGAGGCCCTGCAGATTCTGTGGAAGCTGCTAAAAATGCCAGTAATA  
 CAGAAAAACTCACAGACCAGGTGATGCAGAACCACAAGTCTGGCAGCTTTCAGGAACGTCTTGACAA  
 CGTCTCTCACACTCCTTCTAGTTACATAGAACTTTACCTAAAGCTGTCAAAGAAGAATTAATGCCCTG  
 AAGCAGCTCCAGGTGAGGTGTGCGCACATAGAAGCTAAGTTCTACGAGGAAGTTCATGACCTGGAGAGGA  
 AGTATGCAGCCTTGTAACAGCCTCTATTTGACAAGAGAAGAGAATTCATCACTGGTGACGTGGAGCCAC  
 AGATGCAGAGTCAGCGTGGCACAGTGAGAATGAGGAGGAGGACAAGTTGGCTGGAGATATGAAGAATAAA  
 GTAGTCATAGCTGAGAAAGAAGCAGCAACAGTGGAAAGAGCTGAACCCAAAGGCATCCCTGAGTTCTGGT  
 TCACCATCTTCAGAAATGTGGACATGCTTAGTGAGCTGGTGCAGGAATATGATGAACCGATCTTGAAACA  
 TCTGCAGGATATTAAGTGAAGTTTTAGACCCCTGGACAACCTATGTCTTTTGCTAGAGTTTCACTTT  
 GAACCAACGACTACTTCACCAATCCTGTCCTGACGAAAACGTACAAGATGAAATCAGAGCCAGACAAGG  
 CCGACCCGTTTTCTTTGAAGTCTGAAATTGTGGACTGTGATGGGTGTACAATAGACTGGAAGAAAGG  
 AAAAAATGTCACAGTCAAACCATCAAGAAAAAGCAGAAGCACAAAGGGCCGGGGCACCGTACGAACCATC  
 ACCAAGCAAGTGCCCAATGAGTCCTTCTCAACTTCTTACGCCCCCTGAAAGCCTCTGGAGATGGAGAAT  
 CTCTGGATGAAGATCCGAGTTCACCTTAGCCTCTGACTTTGAAATTGGGCACCTTTTTCTGAGCGCAT  
 CGTGCCACGGGTGTCTCTACTTCACTGGGGAGGCCATAGAGGATGATGACAATTTTGAAGAAGGGCAG  
 GAAGGTGAAGAGGAGGAATTGGAAGGTGATGAAGAAGGAGAAGATGAGGATGATGCTGATGTTAACCCCA  
 AGAAAAGAACCCAGCCAGCCAGCGGAGTGAAGCAGCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul



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|                               |  |
|-------------------------------|--|
| <b>ACCN:</b>                  | NM_001285490   |
| <b>Insert Size:</b>           | 1161 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>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.   |
| <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_001285490.1</a></u> , <u><a href="#">NP_001272419.1</a></u>  |
| <b>RefSeq Size:</b>           | 2312 bp  |
| <b>RefSeq ORF:</b>            | 1161 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]<br>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1 and 3 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. |