

## Product datasheet for **MC207672**

### **Pih1d1 (NM\_029406) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pih1d1 (NM\_029406) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Pih1d1  
**Synonyms:** 1110061L23Rik; 4933413A04Rik; Nop17  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207672 representing NM\_029406  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGACTCGACGTTTTTGGCACCAGAACTAAGCGACACAGAGTCGATGGGTGAAGAGACGGTGGGT  
TTCAGGAGCTGCTGCTGAAGCCTTCAAAGAGCTCCAGCAAGCCCAGACAGCCAGGCCAGACTCTACACA  
GATCCAGCCAAAGCCTGGTTTTCTGTGTGAAGACCAACTCATCGGAAGGAAAGTTTTTCATCAACATCTGC  
CACTCTCCCTCCATCCCTCCCCGGCCGACGTGACTGAGGACGAGCTGCTGCAGATGCTGGAGGAGGACC  
AGGCTGGCTTCCGAATCCCCATGAGCCTGGGAGAGCCGCACGCGGAGCTGGATGCAAAAGGCCAGGGCTG  
TACTGCCTATGACGTCGCTGTCAATAGCAACTTCTACCTGAGGATGCAGAACAGTGATTTCTTGGCGGAA  
CTGGTGGTCACCATCGCCAGGGAGGGCCTTGAGGACAAGTATGGCCTACAGCTAAATCCTGAATGGCGCA  
TGTTGAAGTACCGGTCTTCTGGGCTCCATCTCACAGCAGAACATCCGTTCTCAGCAGCGACCTCGGAT  
CCAGGAGCTGGGACCCCTGGATGCCAGTGGCTCACTGGAACTGTGATGGCCAGAACGGCCTCACCTG  
AACCTTTGGTTGGAAGCCCTGACCTGCTTTGGCTGAAGTTGACCTTCTAAACTGGACGGCGCACAAAG  
GGCTGGCACTGGAATAGGAGAGAACCCTGGTATAGGAGGCCCCAGCAACTGTATCATCTGGATGC  
CACTGTTCCCTGAGGATCAACAGTGAAGCAAGCAGGGCTGCTTTTACCAGCAGGAGGAAGCAACTGATG  
GTGTCCATGCCCTCTGACAGCGTCTTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_029406  
**Insert Size:** 873 bp



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<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>	<a href="#">NM_029406.4</a> , <a href="#">NP_083682.1</a>
<b>RefSeq Size:</b>	1196 bp
<b>RefSeq ORF:</b>	873 bp
<b>Locus ID:</b>	68845
<b>UniProt ID:</b>	<a href="#">Q9CQJ2</a>
<b>Cytogenetics:</b>	7 B3
<b>Gene Summary:</b>	<p>Involved in the assembly of C/D box small nucleolar ribonucleoprotein (snoRNP) particles. Recruits the SWI/SNF complex to the core promoter of rRNA genes and enhances pre-rRNA transcription. Mediates interaction of TELO2 with the R2TP complex which is necessary for the stability of MTOR and SMG1. Positively regulates the assembly and activity of the mTORC1 complex.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All three variants encode the same protein.</p>