

## Product datasheet for **SC321317**

### PIH1D1 (NM\_017916) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PIH1D1 (NM\_017916) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PIH1D1  
**Synonyms:** MOT48; NOP17; Pih1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_017916.1  
GGGTAGTGCCTAGAGACACATATCCCAACGGATTTGACGATGGTGTTCGGTCTTGAA  
TGGAAATGTAGTCTTAGGCCAGTCTTAGGTTTTTGAACAGGATAGTAGGTATCCGGAGTC  
GATTGAGGGCCAGAGCAGGCACTGGGGTTCGGATCCTGGGCAAAGTTTCCACGTTGAGG  
GTCTCGAGGACGCTAGATCTCTTTCCAGGGCCATGGCGAACCCGAAGCTGCTGGGACT  
GGAGCTAAGCGAGGCGGAGGCGATCGGTGCTGATTGCGCGCATTTGAGGAGCTGCTGCT  
GCAGGCCCTCGAAGGAGCTCCAGCAAGCCCAGACAACCAGACCAGAATCGACACAAATCCA  
GCCTCAGCCTGGTTTCTGCATAAAGACCAACTCCTCGAAGGGAAGGTTTTTCATCAACAT  
CTGCCACTCCCCCTCTATCCCTCCTCCCGCCGACGTGACCGAGGAGGAGCTGCTCAGAT  
GCTAGAGGAGGACCAAGCTGGGTTTCGCATCCCCATGAGTCTGGGAGAGCCTCATGCAGA  
ACTGGATGCAAAAAGGCCAGGGATGTACCGCCTACGACGTAGCTGTCAACAGCGACTTCTA  
CCGGAGGATGCAGAACAGCGATTTCTTGCGGGAGCTCGTGATCACCATCGCCAGGGAGGG  
CCTTGAGGACAAAATACACTTGCAGCTGAATCCGGAATGGCGCATGATGAAGAACCAGGCC  
ATTCATGGGCTCCATCTCGCAGCAGAACATCCGCTCGGAGCAGCGTCTCGGATCCAGGA  
GCTGGGGGACCTGTACACGCCGCCGCCCGGGAGAGCTGAGTCAGGCCCTGAAAAGCCTCA  
CCTGAACCTGTGGCTGGAAGCCCCGACCTCCTTTGGCCGAAATTGACCTCCCCAACT  
GGATGGAGCCCTGGGCTGTCGCTGGAGATCGGGGAGAACCAGCCTGGTGTGGGGGGCC  
CCAGCAGCTGTATCATCTAGACGCTTATATCCCCTGCAGATCAACTCTCATGAGAGCAA  
GGCAGCCTTCCACCGGAAGAGAAAGCAATTAATGGTGGCCATGCCGCTTCTGCTGGTGCC  
TTCTTGATCAGGGTGTCTCCTTGTGCTTCTGAGATGTGGAGAAGAGGCTGCTGGCTTCCC  
TAAAAGTTGAAATAAAAGATTTTGCCTTTAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_017916



[View online »](#)

<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>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_017916.1</a></u> , <u><a href="#">NP_060386.1</a></u>
<b>RefSeq Size:</b>	1208 bp
<b>RefSeq ORF:</b>	873 bp
<b>Locus ID:</b>	55011
<b>UniProt ID:</b>	<u><a href="#">Q9NWS0</a></u>
<b>Cytogenetics:</b>	19q13.33
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Involved in the assembly of C/D box small nucleolar ribonucleoprotein (snoRNP) particles (PubMed:17636026). Recruits the SWI/SNF complex to the core promoter of rRNA genes and enhances pre-rRNA transcription (PubMed:22368283, PubMed:24036451). Mediates interaction of Telo2 with the R2TP complex which is necessary for the stability of mTOR and SMG1 (PubMed:20864032). Positively regulates the assembly and activity of the mTORC1 complex (PubMed:24036451).[UniProtKB/Swiss-Prot Function]