

Product datasheet for MC226816

Pih1d1 (NM_001278207) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Pih1d1
Synonyms:	1110061L23Rik; 4933413A04Rik; Nop17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226816 representing NM_001278207 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGACTCGACGTTTTTGGCACCAGAACTAAGCGACACAGAGTCGATGGGTGAAGAGACGGTGCGGT
TTCAGGAGCTGCTGCTGAAGGCTTCCAAAGAGCTCCAGCAAGCCCAGACAGCCAGGCCAGACTCTACACA
GATCCAGCCAAAGCCTGGTTTCTGTGTGAAGACCAACTCATCGGAAGGAAAGGTTTTTCATCAACATCTGC
CACTCTCCCTCCATCCCTCCCCGGCCGACGTGACTGAGGACGAGCTGCTGCAGATGCTGGAGGAGGACC
AGGCTGGCTTCCGAATCCCCATGAGCCTGGGAGAGCCGCACGCGGAGCTGGATGCAAAAGGCCAGGGCTG
TACTGCCTATGACGTGCTGTCAATAGCAACTTCTACCTGAGGATGCAGAACAGTGATTTCTTGCGGAA
CTGGTGGTCACCATCGCCAGGGAGGGCCTTGAGGACAAGTATGGCCTACAGCTAAATCCTGAATGGCGCA
TGTTGAAGTACCGGTCTTCTGGGCTCCATCTCACAGCAGAACATCCGTTCTCAGCAGCGACCTCGGAT
CCAGGAGCTGGGACCTGGATGCCAGTGGCTCACTGGGAACCTGTCTATGGCCAGAACGGCCTCACCTG
AACCTTTGGTTGAAGCCCTGACCTGCTCTTGCTGAAGTTGACCTTCTAACTGGACGGCGCACAAG
GGCTGGCACTGGAATAGGAGAGAACCCTGGTGATAGGAGGCCCCAGCAACTGTATCATCTGGATGC
CACTGTTCCCTGAGGATCAACAGTGAGGCAAGCAGGGCTGCTTTTCACCGCAGGAGGAAGCAACTGATG
GTGCCATGCCCTCCTGACAGCGTCTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001278207



Insert Size:	873 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001278207.1 , NP_001265136.1
RefSeq Size:	1076 bp
RefSeq ORF:	873 bp
Locus ID:	68845
UniProt ID:	Q9CQJ2
Cytogenetics:	7 B3
Gene Summary:	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] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.