

Product datasheet for RN206850

Pih1d1 (NM_001024868) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pih1d1 (NM_001024868) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pih1d1
Synonyms:	RGD1309809
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206850 representing NM_001024868 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACTCGAAGTTACTAGCACCAGAGCTAAGCGACGCGGAGTCGATGGGCGAAGAGACAGTGC
TTCAGGAGTTGCTGCTGAAGGCTTCCAAAGAGCTCCAGCAAGCCCAGACAGCCAGGCCAGAATCTACACA
GATCCAGCCCAAGCCTGGTTTTCGCATAAAGACCAACTCATCGGAAGGAAAGTTTTTCATCAACATCTGC
CACTCTCCCTCCATCCCTCCCCCGGTGGACGTGACTGAGGACGAAGTCTCAGATGCTGGAGGAGGACC
AAGCTGGCTTCCGAATCCCCATGAGCCTGGGAGAACCACATGCTGAGCTGGATGCAAAAGGCCAGGGCTG
TACTGCCTATGACGTCGCTGTCAATAGCAACTTCTACCTGAGGATGCAGAACAGTGATTTCTGAGGGAA
CTAGTGGTCACCATTTGCCAGGGAGGGCCTTGAAGACAAGTATGGCCTACAACTAAACCCCGAATGGCGCA
TGCTGAAGTACCGGTCTTTCTGGGCTCCATCTCACAGCAGAGCATCCGTTCCCAGCAGCGCCCTCGGAT
CCAGGAGCTGGGACCCTGGATACCCATGACTCACTCGGAACCCGGCATGGCCCAGAGCGGCCCTCACCTG
AACCTCTGGTTGGAAGCCCCTGACCTCCTTGGCTGAAGTTGACCTTCTAACTGGATGGAGCCCAGG
GGCTGGCACTGGAGATAGGAGAGAACCCTGGTGGTGGGAGGCCCCAGCAACTGTATCACCTTGATGC
CTGCATCCCCCTGCGGATCAACAGTGAGGCAAGCAGGGCTGCTTTTACCACAGGAGAAAGCAACTGATG
GTGTCCATGCCCTCTGTCAGCGTCCTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001024868
Insert Size:	873 bp



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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).
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:	<ol style="list-style-type: none">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.
RefSeq:	<u>NM_001024868.1</u> , <u>NP_001020039.1</u>
RefSeq Size:	1308 bp
RefSeq ORF:	873 bp
Locus ID:	292898
UniProt ID:	<u>Q4V7F5</u>
Cytogenetics:	1q22
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]