

Product datasheet for **RC219930**

PIH1D2 (NM_001082619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIH1D2 (NM_001082619) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PIH1D2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219930 representing NM_001082619 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACATCTCAAAGGTCTGCTTACCCAAGTTACTCAGTTTTGGAACCTCCTAGATGATCTAGCTC
AGAGTGACCCTGAGGGCTATGAGAAGTTTATTCAGCAGCAGCTGAAAGAAGGGAAACAGCTCTGTGCTGC
CCCAGAACCACAGCTTTGTCTACAGACCAGGATTCTGAAACAAAAGAAAAATACTTTTTATCAACCTG
TGTCAGTGGACAAGGATCCCAGCTCCCAATCAACCCTCATCCAGTACCTCTAACTGTTGGCAAACCCAG
AAGATACTCACTGAGATATCAGATGCTTACACAGTCATTGATGTTGCCTACAATCCTGATGTTCTCATGC
AGCAGAAAAGGACCAAGTAAAAAATCAGTTAATTCAGATGGCCATGAAATGCATTGAGGAGAAATTC
CAGTTCACCCTCTCACACTCTTACCATATTACCAATTTAGAATAAAAGGAAGCATTCAAAGAATGAAAC
AAAATCTGATGGGAATCCAACTGATTCCATAGATTTAAGAGAAAAATGAGAAGGGAACAACTCTTGG
ACAGATACGAAGCAGTACTATGAGCAATCCAGATCACTTTCCTCAACTGTTACTGCCAAAAGACCAAGTT
TCAGGCAAAGCAGTGTGCTGATAGAAGAGATTTCCAGTACTGAAATCCAGGTGGAGATGAAGATGCCAG
CCTATGAACTAAAAATTGTGCATGATCACAGTGAAGAACTCTGAAAATTGAGTTGAAAGTTGAATTACC
TGGTATTAATTCTGTCTCTCTGTGACCTTAGTGTCTGAGGGAACAACAGAACCACAAGCATTAGCC
AAAGATGAATTATCTTTGAAGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC219930 representing NM_001082619
Red=Cloning site Green=Tags(s)

METSSKGLLTQVTQFWNLLDDLAQSDPEGYEKFIQQQLKEGKQLCAAPEPQLCLQTRILKPKKILFINL
 CQWTRIPAPQSTTHPVPLTVGKPEDTTEISDAYTVIDVAYNPDVLHAAEKDQVKNQLIQMAMKCIIEKF
 QFTLSHSYHITKFRIGKSIQRMKQNLMIQTDSIDLREKMRRELTLGQIRSSSTMSNPDHFPQLLLPKDQV
 SGKAVCLIEEISSTEIQVEMKMPAYELKIVHDHSEKPLKIELKVELPGINSVSLCDLSVSEGTTEPQALA
 KDELCLKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8049_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001082619

ORF Size: 864 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_001082619.1](#), [NP_001076088.1](#)

RefSeq Size: 1263 bp

RefSeq ORF: 867 bp

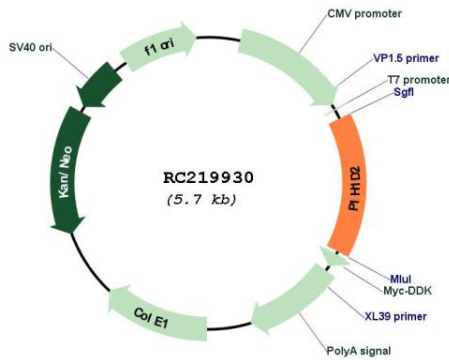
Locus ID: 120379

UniProt ID: [Q8WWB5](#)

Cytogenetics: 11q23.1

MW: 32.5 kDa

Product images:



Circular map for RC219930