

## Product datasheet for **RN213352**

### **P4hb (NM\_012998) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	P4hb (NM_012998) Rat Untagged Clone
Tag:	Tag Free
Symbol:	P4hb
Synonyms:	PDI; PDIR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213352 representing NM\_012998  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCTGAGCCGTGCTTTGCTGTGCCTGGCCCTGGCCTGGGCGGCTAGGGTGGGCGCCGACGCTCTGGAGG  
AGGAGGACAACGTCCTGGTGCTGAAGAAGAGCAACTTCGCAGAGGCGCTGGCGGCCACAACTACCTGCT  
GGTGGAGTTCTATGCCCATGGTGTGGCCACTGCAAAGCACTGGCCCCAGAGTATGCCAAAGCTGCTGCA  
AACTGAAGGCAGAAGGCTCTGAGATCCGACTAGCAAAGGTGGACGCCACAGAAGAGTCTGACCTGGCCC  
AGCAGTATGGTGTCCGTGGCTACCCACAATCAAGTTCTTCAAGAATGGAGACACAGCCTCCCCAAAGGA  
ATATACAGCTGGCAGGGAAGCTGACGACATTGTGAAGTGGCTGAAGAAACGCACAGGCCACGAGCCACA  
ACCCTGTCTGACTGCAGCTGCAGAGTCTTGGTGGACTCAAGCGAAGTACGGTTCATCGGCTTCTTCA  
AGGACGCAGGGTCAGACTCCGCCAAGCAGTTCTTGTGTCAGCAGAGGCTGTTGATGACATACCTTTTGG  
AATCACTTCCAATAGCGATGTGTTTTCCAAGTACCAGCTGGACAAGGATGGGGTGGTCTCTTTAAGAAG  
TTTGATGAAGGCCGCAACAATTTGAAGGTGAGATCACCAAGGAGAAGCTGTTAGACTTCAAGCACA  
ACCAGCTGCCTTTGGTCACTCGAGTTCAGTGAACAGACAGCTCCAAGATTTTCGGAGGTGAAATCAAAC  
ACATATTCTGCTGTTCTGCCAAGAGTGTGCTGACTACGATGGCAAATGAGCAAATTTAAGAAAGCG  
GCCGAGGGCTTTAAGGGCAAGATCCTGTTTCATCTTCATCGATAGTGACCACACTGACAACCAGCGCATACT  
TTGAGTTCTTTGGCCTGAAGAAGGAGGAATGTCCAGCTGTGCGGCTTATTACCCTGGAGGAAGAGATGAC  
CAAGTACAAACCCGGAGTCAGACGAGCTGACAGCTGAGAAGATCACAAATTTGCCACCCTTCTGGAG  
GGCAAGATCAAGCCCCACCTGATGAGCCAGGAAGTGCCTGAAGACTGGGACAAGCAGCCAGTGAAGTGC  
TAGTTGGGAAAAAAGTTGAGGAGTTGCTTTTGTGAGAAAAAGAACGTGTTTGTGAATCTATGCTCC  
CTGGTGTGGTCACTGCAAGCAGCTAGCCCCGATTTGGGATAAACTGGGAGAGACATACAAAGACCATGAG  
AATATCGTCATCGCTAAGATGGACTCAACAGCCAAAGAGGTGGAAGCTGTGAAGGTGCACAGCTTTCCCA  
CACTCAAGTTCTTCCAGCAAGTGCAGACAGAAGGTCATTGATTACAACGGTGAGCGGACACTAGATGG  
TTTTAAGAAATCTTGGAGAGCGGTGGCCAGGATGGAGCGGGGACAATGACGACCTCGACCTAGAAGAA  
GCTTTAGAGCCAGATATGGAAGAAGACGACGATCAGAAAGCCGTGAAGGATGAAGT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_012998

**Insert Size:** 1530 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).

**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\\_012998.2](#), [NP\\_037130.2](#)

**RefSeq Size:** 2571 bp

**RefSeq ORF:** 1530 bp

**Locus ID:** 25506

**UniProt ID:** [P04785](#)

**Cytogenetics:** 10q32.3

**Gene Summary:** may be identical to protein disulfide isomerase, iodothyronine 5 monodeiodinase (5MD), and membrane associated thyroid hormone binding protein MTHBP. [RGD, Jun 2010]