

## Product datasheet for **RN203720**

### **P4ha3 (NM\_198775) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	P4ha3 (NM_198775) Rat Untagged Clone
Tag:	Tag Free
Symbol:	P4ha3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203720 representing NM\_198775  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCCAGGGCGCGCTGGCGGCGTCTGGTGTCTGAAGCTCGGGTCCGGAGACCTGCGGCGG  
 CCGCGGGCGGGAGGACACGTTCTCCGCTCTGACCAGCGTGGCGCGGCCCTGGCGCCGAGCGCCGGCT  
 GCTGGGACACTGAGGCGCTACCTGCGCGGCGAGGAGCGCGGCTGCGCGACTGACCAGATTCTATGAC  
 AAGTACTTTCTTTCACGAGGACTTGAAGATCCCTGTAGTGAATCCCCTACTTGTCTTCACTCTCATCA  
 AACGTCTGCCGTCTGACTGGAGGAATGTGGTACACAGTCTGGAAGCCACTGAGAATATCCGAGCTCCGAA  
 GGATGGTTATGAGAAGGTGGAGCAAGACCTTCTGCCTTTGAGGACCTCGAGGGAGCAGCAAGGGCCCTG  
 ATGCGACTGCAGGACGCGTACATGCTCAATGTGAAGGGCTTGGCCAGGGCGTCTCCAGAGAGTACGG  
 GCTCCTCCATCACTGACCTGTACAGTCCAGGCAGCTCTTCTCTCACAGCGGATGACTGCTTCCAAGT  
 TGGTAAGGTGGCCTATGACACGGGGATTACTACCATGCCATTCCGTGGTGGAGGAAGTGTCACTCTC  
 TTCCGAAGATCTTACGGAGAGTGAAGACAGAGGATGAGGCCAGTCTGGAAGACGCCCTGGATTATTTGG  
 CCTTTGCCTGTTACCAGGTAGGAAATGTTTCGTGTGCCCTCAGCCTCTCTCGAGAGTTCTTGTCTACAG  
 CCCAGACAATAAGAGGATGGCCAGGAATGTGTTGAAATACGAAAGGCTCTTGGCTGAGAAATGGTCACTG  
 ATGGCGGCTGAGACAGCAATTCAGAGGCCAACGTACCCACCTCCAGACCAGGGACACCTATGAGGGGC  
 TATGCCAGACCTGGGCTCCAGCCAACACACTACAAATCCCAGCCTCTACTGCTCCTACGAGACCAA  
 TTCCAGCCCCTACCTACTGCTCCAGCCCGCACGCAAGGAGTCCACCTGCGGCCCTCGTGGCTCTC  
 TACCATGATTTTCGTCACTGATGAGGAAGCCAGAAAATCCGAGAGCTCGCAGAACCCTGGCTCCAGAGAT  
 CAGTGGTGGCTTCAGGGAAAAGCAGTTACAAGTGGAGTACCGCATCAGCAAAAGTGGCTGGCTAAAGGA  
 CACGGTTGACCCAGTGTGTTGACCCCTTGACCGCCGATTGCTGCCCTCACAGGCTCGACATCCAGCCT  
 CCGTACGACAGATATCTCCAGGTGGTGAATGGAATTGGAGGGCACTATGAGCCTCACTTCGACCATG  
 CTACGTCGCCCAGCAGCCCCCTGTACAAGATGAAGTCCGGGAACCGAGCGGCAACGCTTATGATATATCT  
 GAGCTCCGTAGAAGCTGGAGGAGCCACAGCCTTATCTATGGCAACTTCAGTGTGCCTGTGGTTAAGAAT  
 GCTGCACTGTTTTGGTGGAACTGCACAGGAGTGGAGAGGGGGATGATGACACTTCACGCTGGCTGCC  
 CTGTGCTGGTGGGAGACAAGTGGTGGCCAACAAGTGGATACACGAGTATGGACAGGAATCCGAAGACC  
 CTGCGACACCAATCCTGAAGACTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_198775

**Insert Size:** 1635 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\\_198775.1](#), [NP\\_942070.1](#)

**RefSeq Size:** 1660 bp

**RefSeq ORF:** 1635 bp

**Locus ID:** 361612

**UniProt ID:** [Q6W3E9](#)

**Cytogenetics:** 1q32

**Gene Summary:** catalyzes the formation of 4-hydroxyproline by the hydroxylation of -X-Pro-Gly-triplets [RGD, Feb 2006]