

## Product datasheet for **MC217546**

### **P4ha1 (NM\_011030) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	P4ha1 (NM_011030) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	P4ha1
Synonyms:	AL022634; P4ha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217546 representing NM\_011030  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATCTGGGTTGTTTTAATGATGGCGATTCTACTTCCTCAGTCTTAGCCCATCCAGGTTTTTTACGT  
 CAATTGGTCAGATGACTGACTTGATCCATAATGAGAAAGACCTGGTGACATCACTAAAAGATTATATTAA  
 AGCAGAAGAGGACAAGTTAGAGCAAATCAAAAAATGGGCAGAGAAGTTAGACCGCTAACGAGTACAGCA  
 AAAAAAGACCCAGAGGGGTTTGTGGGCATCCTGTAAACGCATTCAAGTTAATGAAACGTCTGAACACTG  
 AGTGGAGTGAGTTGGAGAATCTGATCCTCAAGGACATGTCGGATGGCTTCATCTAACCTAACCTTCA  
 GAGGCAGTACTCCCTAATGATGAAGATCAGGTTGGAGCTGCTAAAGCTCTGTTTCGGCTGCAAGACACC  
 TACAATCTGGACAAAAACCATCTCAAAGGGGAATCTCCAGGAGTGAACATAAGTCTTTCCTGACAG  
 CCGAGGACTGCTTTGAGCTGGGCAAAGTGGCCTATACAGAGGCAGATTATTACCACACAGAACTGTGGAT  
 GGAGCAGGCTCTGACGCAGCTGGAGGAGGAGCTGTCTACTGTAGATAAAGTCTCTGTTCTGGATTAC  
 CTGAGCTATGCGGTGTACCAGCAGGGAGACCTGGATAAGGCGCTTCTCCTACCAAGAAGCTTCTTGAGC  
 TAGATCCTGAACATCAGAGAGCTAATGGTAACTTAGTATATTTTGAATATATAATGAGTAAAGAAAAAGA  
 TGCCAATAAGTCAGCGTCGGGCGACCAATCTGATCAGAAAAGTGCACCAAGAAAAAGGGATAGCTGTG  
 GATTACCTGCCAGAGAGACAGAAGTACGAAATGCTGTGCCGTGGGGAGGGTATCAAAATGACTCCCCGGA  
 GACAGAAAAGACTGTTCTGCCGCTACCATGATGGGAACCGGAATCCTAAGTTCATCCTGGCCCCAGCCAA  
 GCAGGAGGACGAGTGGGACAAGCCCCGATTATCCGTTTCCATGACATCATCTCTGACGCGGAGATTGAG  
 ATGTCAAAGACTTAGCAAAACCAAGGCTGAGGCGAGCCACCATTCAAACCCAGTAACAGGAGCCTTGG  
 AGACGGTACATTACAGAATTAGCAAAAGTGTGGCTGTCTGGCTACGAAGACCCTGTGGTATCCCGAAT  
 TAATATGAGAATACAAGATCTCACAGGACTGGATGTTTCTACGGCCGAGGAGTTACAGGTAGCAAAATAC  
 GGAGTTGGAGGACAGTATGAGCCCCATTTTACTTTGCAAGGAAAGATGAGCCGGATGCCTTTAGAGAGC  
 TTGGGACAGGAAATAGGATTGCCACGTGGCTGTTCTATATGAGCGATGTGTCTGCTGGAGGAGCTACTGT  
 TTTTCTGAAGTGGGAGCCAGTGTGGCCAAAAAGGCACTGCTGTCTCTGGTATAATCTGTTTGCC  
 AGTGGGGAAGGAGATTACAGTACACGGCATGCAGCCTGTCCCGTGTAGTTGGAAACAAATGGGTATCCA  
 ACAAATGGCTCCATGAACGTGGACAAGAATTTCAAGGCCGTGCACCCTGTCAGAATTGGAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_011030

**Insert Size:** 1605 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\\_011030.2](#), [NP\\_035160.1](#)

**RefSeq Size:** 4057 bp

**RefSeq ORF:** 1605 bp

**Locus ID:** 18451

**UniProt ID:** [Q60715](#)

**Cytogenetics:** 10 B4

**Gene Summary:** Catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) lacks one exon and contains two alternate in-frame exons in the central coding region, compared to variant 1. The encoded isoform (3) is longer than isoform 1.