

## Product datasheet for **MC217572**

### **P4ha2 (NM\_001136076) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	P4ha2 (NM_001136076) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	P4ha2
Synonyms:	AA407196; C76437; P4hl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217572 representing NM\_001136076  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGCTCCAGGTGTTGGTGTGGTGTGCTGATGTCCTGGTTCGGTGTCTGAGCTGGGTGCAGGCAG  
 AATTCTTCACCTCATTGGGCACATGACCGATCTGATTTACGCAGAGAAGGACCTGGTACAGTCTCTGAA  
 GGAGTACATCCTTGTGGAGGAAGCCAAGCTCGCCAAGATTAAGAGCTGGGCCAGCAAGATGGAAGCCCTG  
 ACCAGCAGATCAGCTGCCGACCCGAGGGCTACCTGGCTCATCCTGTGAATGCCTACAAGCTGGTGAAGC  
 GGTTGAACACAGACTGGCTGCACTGGGGGACCTGTCTTCAGGATGCTTCGGCAGGTTTTGTCGCTAA  
 CCTCTCAGTTCAGCGCAATTCTCCCCACTGATGAGGACGAGTCTGGAGCTGCCAGAGCCCTGATGAGA  
 CTTCAGGACACGTACAACTGGATCCGGACACGATTTCCAGAGGGGAACCTCCAGGCACAAAGTACCAGG  
 CCATGCTGAGTGTGGACGACTGCTTTGGGCTGGGCCGCTCAGCTTACAATGAAGGAGACTATTACCATAC  
 TGTGCTGTGGATGGAGCAGGTAAGCAGCTCGATGCTGGGGAGGAGGCCACTGTTACCAAGTCCCTG  
 GTGCTGGACTACCTGAGCTATGCTGTCTTCCAACCTGGGTGACCTGCACCGTGCTGTGGAACCTCACCCGCC  
 GCCTGCTCTCTTGACCCAAGCCACGAACGAGCTGGAGGGAATCTGCGGTACTTTGAACGGTTGTTAGA  
 GGAAGAAAGAGGGAAATCACTGTCAAATCAGACAGACGCCGACTGGCCACCCAGGAAAATTGTACGAG  
 AGGCCACGGACTACCTGCCTGAGAGGGATGTGTACGAGAGCCTGTGTCGAGGGGAGGGCGTGAAACTGA  
 CACCCCGGAGGCAGAAGAAGCTTTTCTGTAGGTACCATCATGGAACAGAGTGCCACAGCTCCTCATCGC  
 CCCCTTCAAAGAGGAAGACGAGTGGGACAGCCACACATCGTCAGGTAATGATGTGATGTCCGACGAA  
 GAAATCGAGAGGATCAAGGAGATTGCTAAGCCCAAACCTGCACGAGCCACTGTGCGTGACCCCAAGACAG  
 GTGTCCTCACTGTTGCCAGCTACAGAGTTTCCAAAAGCTCCTGGCTAGAGGAGGATGACGACCCTGTTGT  
 GGCCCGGTCAACCGCGGATGCAACATATCACCGGGCTAACGGTGAAGACTGCAGAGCTATTGCAGGTC  
 GCAAACACGGAATGGGGGACAGTACGAACCACACTTTGACTTCTCAAGGCGACCCTTTGACAGCGGCC  
 TCAAAACGGAGGGCAATAGGTTAGCGACGTTTCTTAACATATGAGCGATGTCGAAGCTGGTGGTCCAC  
 CGTCTTCTGACTTGGGAGCTGCTATTTGGCCCAAGAAGGGCACAGCTGTATTCTGGTACAACCTTCTT  
 CGCAGTGGGAAGGTGATTATCGGACGAGACATGCAGCCTGCCCTGTGCTTGTGGGCTGCAAGTGGGTCT  
 CCAACAAGTGGTCCATGAGCGAGGACAGGAGTCTTAAGACCTGTGGAACAACGGAAGTTGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001136076

**Insert Size:** 1608 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\\_001136076.2](#), [NP\\_001129548.1](#)

**RefSeq Size:** 2278 bp

**RefSeq ORF:** 1608 bp

**Locus ID:** 18452

**UniProt ID:** [Q60716](#)

**Cytogenetics:** 11 32.13 cM

**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 (1) uses an alternate exon in the 3' coding region, compared to variant 1. The resulting isoform (1) contains an alternate internal segment, compared to isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.