

Product datasheet for **MC218213**

P4ha2 (NM_011031) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P4ha2 (NM_011031) 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: >MC218213 representing NM_011031
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGCTCCAGGTGTTGGTGTGGTGTGCTGATGTCCTGGTTCGGTGTCTGAGCTGGGTGCAGGCAG
AATTCTTCACCTCATTGGGCACATGACCGATCTGATTTACGCAGAGAAGGACCTGGTACAGTCTCTGAA
GGAGTACATCCTTGTGGAGGAAGCCAAGCTCGCCAAGATTAAGAGCTGGGCCAGCAAGATGGAAGCCCTG
ACCAGCAGATCAGCTGCCGACCCCGAGGGCTACCTGGCTCATCCTGTGAATGCCTACAAGCTGGTGAAGC
GGTTGAACACAGACTGGCTGCACTGGGGACCTTGCTCCTCAGGATGCTTCGGCAGGTTTTGTCGCTAA
CCTCTCAGTTCAGCGCAATTCTCCCCACTGATGAGGACGAGTCTGGAGCTGCCAGAGCCCTGATGAGA
CTTCAGGACACGTACAACTGGATCCGGACACGATTTCCAGAGGGGAACCTCCAGGCACAAAGTACCAGG
CCATGCTGAGTGTGGACGACTGCTTTGGGCTGGGCCGCTCAGCTTACAATGAAGGAGACTATTACCATAC
TGTGCTGTGGATGGAGCAGGTAAGCAGCTCGATGCTGGGGAGGAGGCCACTGTTACCAAGTCCCTG
GTGCTGGACTACCTGAGCTATGCTGTCTTCCAACCTGGGTGACCTGCACCGTGCTGTGGAACCTCACCCGCC
GCCTGCTCTCTTGACCAAGCCACGAACGAGCTGGAGGGAATCTGCGGTACTTTGAACGGTTGTTAGA
GGAAGAAAGAGGGAAATCACTGTCAAATCAGACAGACGCCGACTGGCCACCCAGGAAAACCTGTACGAG
AGGCCACGGACTACCTGCCTGAGAGGGATGTGTACGAGAGCCTGTGTCGAGGGGAGGGCGTGAAACTGA
CACCCCGAGGCAGAAGAAGCTTTCTGTAGGTACCATCATGGAACAGAGTGCCACAGCTCCTCATCGC
CCCCTTCAAAGAGGAAGACGAGTGGGACAGCCACACATCGTCAGGTACTATGATGTGATGTCCGACGAA
GAAATCGAGAGGATCAAGGAGATTGCTAAGCCCAAACCTGCACGAGCCACTGTGCGTGACCCCAAGACAG
GTGTCCTCACTGTTGCCAGCTACAGAGTTTCCAAAAGCTCCTGGCTAGAGGAGGATGACGACCCCTGTTGT
GGCCCGGTCAACCGCGGATGCAACATATCACCGGGCTAACGGTGAAGACTGCAGAGCTATTGCAGGTC
GCAAACACTACGGAATGGGGGACAGTACGAACCACACTTTGACTTCTCAAGGAGCGATGAGCAAGATGCTT
TCAAGCGTTTAGGGACTGGGAACCGTGTGGCCACGTTTCTAAACTACATGAGCGATGTCGAAGCTGGTGG
TGCCACCGTCTTCTGACTTGGGAGCTGCTATTTGGCCCAAGAAGGCACAGCTGTATTCTGGTACAAC
CTTCTTCGAGTGGGGAAGGTGATTATCGGACGAGACATGCAGCCTGCCCTGTGCTTGTGGGCTGCAAGT
GGGTCTCCAACAAGTGGTTCCATGAGCGAGGACAGGAGTCTTAAGACCTTGTGGAACAACGGAAGTTGA
TTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_011031

Insert Size: 1614 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_011031.2](#), [NP_035161.2](#)

RefSeq Size: 2284 bp

RefSeq ORF: 1614 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 (2) represents the longer transcript and encodes the longer 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.