

Product datasheet for **RN206083**

P4ha1 (NM_172062) Rat Untagged Clone

Product data:

| | |
|---------------------------|--------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | P4ha1 (NM_172062) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | P4ha1 |
| Synonyms: | PHalphal |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN206083 representing NM_172062
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCTGGGGTGTATTAATGATGGGGATTCTACTTCCTCAGTGTTCAGCCCATCCAGGCTTTTTACTT
 CAATTGGTCAGATGACTGACTTGATCCATAATGAGAAAGACCTGGTGACGTCACTAAAAGATTACATTAA
 AGCAGAAGAGGACAAGTTAGAGCAAATCAAAAAATGGGCAGAGAAGTTAGACCGCTAACCAAGTACAGCA
 AAAAAAGATCCAGAAGGGTTTGTTCGACACCCCTGTAATGCATTCAAGTTAATGAAACGTCTGAACACCG
 AGTGGAGTGAGTTGGAGAATCTGATCCTCAAGGATATGTCAGATGGCTTCATCTAACCTGACCATTCA
 GAGGCAGTACTCCCTAACGACGAAGACCAGGTTGGGGCTGCAAAAGCTTTGTTTCGTCGCAAGACACC
 TACAACCTAGACACGAATACCATCTCGAAGGGCAATCTCCAGGAGTGAAACACAAGTCTTTTCTAACAG
 CTGAGGACTGCTTTGAGTTGGGCAAAGTGGCCTATACAGAAGCAGATTATTACCACACAGAAGTCTGGAT
 GGAGCAGGCTCTGATGCAGCTGGAGGAGGAGAGATGTCTACTGTAGACAAAGTCTCGGTTCTAGATTAT
 TTGAGCTATGCAGTGTACCAGCAGGGTGACCTGGATAAGGCACTTCTGCTTACAAAGAACTTCTTGAAC
 TAGATCCTGAACACCAGAGAGCCAAATGGTAACTTAGTATATTTGAGTATATAATGAGTAAAGAAAAAGA
 TGCCAATAAGTCTGCTTCGGGTGACCAGTCTGATCAGAAAACCTACACCAAGAAAAAGGGGATTGCTGTG
 GACTACCTGCCAGAGAGACAGAAGTACGAAATGCTGTGCCGTGGGGAGGGTATCAAAATGACTCCTCGGA
 GACAAAAAAGGCTGTTCTGCCGCTACCATGATGGAAACCGGAATCCTAAATTTATCCTGGCCCCAGCCAA
 GCAGGAGGATGAGTGGGACAAGCCTCGCATCATTCTGTTCCATGACATCATCTCAGATGCCGAGATTGAG
 ATCGTCAAAGATTTAGCAAAGCCAGGCTGAGCCGAGCTACAGTACATGACCCTGAGACTGGGAAATTGA
 CCACAGCACAGTACAGAGTATCTAAGAGTCTGGCTGTCTGGCTATGAAGATCCTGTGGTGTCTCGAAT
 TAATATGAGAATACAAGATCTCACAGGACTGGATGTTTCCACGGCAGAGGAATTACAGGTAGCAAATTA
 GGAGTTGGAGGACAGTATGAACCCATTTTGACTTTGCCAGGAAAGACGAGCCGGATGCTTTTAGAGAGC
 TTGGGACAGGAAATAGGATTGCCACGTGGCTCTTCTACATGAGTGATGTGTCTGCTGGAGGCGCTACTGT
 TTTTCTGAAGTGGGAGCCAGTGTGGCCAAAAAAGGCACTGCTGTCTTCTGGTACAATCTGTTTGCC
 AGTGGAGAAGGAGATTACAGTACACGGCACGCAGCCTGTCTGTGCTAGTGGAAACAAATGGGTATCCA
 ACAAATGGCTCCATGAACGTGGACAGGAATTTCAAGGCCGTGTACCCTGTCAGAATTGGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_172062
- 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_172062.2](#), [NP_742059.2](#)

RefSeq Size: 2145 bp

RefSeq ORF: 1605 bp

Locus ID: 64475

UniProt ID: [P54001](#)

Cytogenetics: 20q11

Gene Summary: catalyzes the hydroxylation of -X-Pro-Gly- triplets to form hydroxyproline [RGD, Feb 2006]