

Product datasheet for **MR208564**

P4ha1 (NM_011030) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR208564 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCTGGGTTGTTTTAATGATGGCGATTCTACTTCCTCAGTCTTAGCCCATCCAGGTTTTTTACGT
 CAATTGGTCAGATGACTGACTTGATCCATAATGAGAAAGACCTGGTGACATCACTAAAAGATTATATTAA
 AGCAGAAGAGGACAAGTTAGAGCAAATCAAAAAATGGGCAGAGAAGTTAGACCGCTAACAGGTACAGCA
 AAAAAAGACCCAGAGGGTTTGTGGGCATCCTGTAAACGCATTCAAGTTAATGAAACGTCTGAACACTG
 AGTGGAGTGAGTTGGAGAATCTGATCCTCAAGGACATGTCGGATGGCTTCATCTTAACCTAACCTTCA
 GAGGCAGTACTCCCTAATGATGAAGATCAGGTTGGAGCTGCTAAAGCTCTGTTTCGGCTGCAAGACACC
 TACAATCTGGACAAAAACCATCTCAAAGGGGAATCTCCAGGAGTGAACATAAGTCTTTCCTGACAG
 CCGAGGACTGCTTTGAGCTGGGCAAAGTGGCCTATACAGAGGCAGATTATTACCACACAGAACTGGGAT
 GGAGCAGGCTCTGACGCAGCTGGAGGAGGAGCTGTCTACTGTAGATAAAGTCTCTGTTCTGGATTAC
 CTGAGCTATGCGGTGTACCAGCAGGGAGACCTGGATAAAGCGCTTCTCCTACCAAGAAGCTTCTTGAGC
 TAGATCCTGAACATCAGAGAGCTAATGGTAACTTAGTATATTTTGAATATATAATGAGTAAAGAAAAAGA
 TGCCAATAAGTCAGCGTCGGGCGACCAATCTGATCAGAAAAGTGCACCAAGAAAAAGGGATAGCTGTG
 GATTACCTGCCAGAGAGACAGAAGTACGAAATGCTGTGCCGTGGGGAGGGTATCAAAATGACTCCCCGGA
 GACAGAAAAGACTGTTCTGCCGTACCATGATGGGAACCGGAATCCTAAGTTCATCTGGCCCCAGCCAA
 GCAGGAGGACGAGTGGGACAAGCCCCGATTATCCGTTTCCATGACATCATCTCTGACCGGAGATTGAG
 ATGTCAAAGACTTAGCAAAACCAAGGCTGAGGCGAGCCACCATTCAAACCCAGTAAACAGGAGCCTTGG
 AGACGGTACATTACAGAATTAGCAAAAGTCTGGCTGTCTGGCTACGAAGACCCTGTGGTATCCCGAAT
 TAATATGAGAATAACAAGATCTCACAGGACTGGATGTTTCTACGGCCGAGGAGTTACAGGTAGCAAATTAC
 GGAGTTGGAGGACAGTATGAGCCCCATTTTACTTTGCAAGGAAAGATGAGCCGGATGCCTTTAGAGAGC
 TTGGGACAGGAAATAGGATTGCCACGTGGCTGTTCTATATGAGCGATGTGTCTGCTGGAGGAGCTACTGT
 TTTTCTGAAGTGGGAGCCAGTGTGGCCAAAAAGGCACTGCTGTCTCTGGTATAATCTGTTTGCC
 AGTGGGGAAGGAGATTACAGTACACGGCATGCAGCCTGTCCCGTGTAGTTGAAACAAATGGGTATCCA
 ACAAATGGCTCCATGAACGTGGACAAGAATTCGAAGGCCGTGCACCCTGTCAGAATTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208564 protein sequence
 Red=Cloning site Green=Tags(s)

MIWVVLMAILLPQSLAHPGFFTSIQMTDLIHNEKDLVTSKDYIKAEEKLEQIKKWAELDRLTSTA
 TKDPEGFVGHVPVNAFKLMKRLNTEWSELENLILKDMSDGFI SNLTIQRQYFPNDEDQVGAALKFRLQDT
 YNLDTNTISKGNLPGVQHKSFLTAEDCFELGKVAYTEADYYHTELWMEQALTQLEEGELSTVDKVSVDLY
 LSYAVYQQGDLKALLLTKKLELDPEHQRANGNLVYFEYIMSKEKDANKSASGDQSDQKTAPKKKGIIV
 DYLPERQKYEMLCRGEIKMTPRRQKRLF CRYHDGNRNPKFILAPAKQEDEWDKPRIIRFHDIISDAEIE
 IVKDLAKPRLRRATISNPVTGALETVHYRISKSAWLSGYEDPVVSRINMRIQDLTGLDVSTAEELQVANY
 GVGQYEPHFDFARKDEPDAFRELGTGNRIATWLFYMSDVSAGGATVFPEVGASVWPKKGTAVFWYNLFA
 SGEGDYSTRHAACPVLVGNKWSNKWLHERGQEFRRPCTLSELE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011030

ORF Size: 1605 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

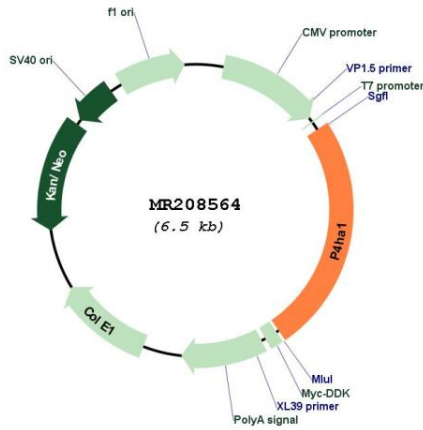
RefSeq ORF: 1605 bp

Locus ID: 18451

UniProt ID: [Q60715](#)

Cytogenetics: 10 B4
MW: 60.9 kDa
Gene Summary: Catalyzes the post-translational formation of 4-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens and other proteins.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208564