

Product datasheet for **MC221299**

P3h1 (NM_019782) Mouse Untagged Clone

Product data:

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|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | P3h1 (NM_019782) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | P3h1 |
| Synonyms: | 2410024C15Rik; Gros1; Lepre1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC221299 representing NM_019782
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGTGAGCGAAAGGAGGCTGCTGGCAGCGATGCTAGCGGTGCGCCGCCGCCGCCTTACGGGTTG
 CGGCGGAGTCTGAGCCGGGATGGGACGTGGCAGCCCTGACCTGCTTTACGCAGAGGGGACCGCGGCTA
 CTCGCGCGGGGACTGGCCCGGGGTGGTCTGAACATGGAGCGGGCGCTGCGCTCGCGGGCGGCCCTGCGT
 GCCCTCCGCTGCGCTGCCGCACACGCTGTGCCACCGAAGTCCCGTGGGACCGGACCTGGATCTCGGT
 CGGACCCAGCCTGAGCCAGGACCCGGGCGCCGCCCTGCACGACCTGCGCTTCTTGGAGCGGTGCT
 GCGCCGTGCCGCTGCCTACGCCGCTGCCTCGGGCCGCCCTGCCCACCTGCTGAGTGAAGAACTGGAC
 CTGGAGTCAACAAGCGGAGCCCGTACAACCTGCAGGTGCGCTATTTCAAGATAACAAGCTGGAGA
 AAGCTGTGGTGGCGCACACACCTTCTTTGTGGCAATCTGAGCACATGGAGATGCGGCAGAACCTCGA
 CTATTACCAACCATGTCTGGGGTGAAGGAGGCAGACTTCAGGGATCTCGAGGCCAAGCCCATATGCAT
 GAGTTTCGGCTGGGGTACGACTCTACTCAGAGGAGAAGCCACAGGAAGCTGTGCCCCACCTGGAGGCGG
 CACTGCAAGAGTACTTTGTGGCCGATGAGGAATGCCGTGCCCTCTGCGAAGGGCCCTATGACTACGACGG
 CTAACAACCTAGACTACAGCGCTGACCTCTCCAGGCCATCACAGATCATTACGTCCAGGTCCTCAAC
 TGTAAGCAGAAGTGTGTACGGAGCTGGCTTCCCACCAAGTAGGGAAAAGCCCTTTGAAGACTTCTCC
 CTTCACTATAATTACCTACAGTTTGCCTACTACAACATTGGGAACTATACACAAGCTATTGAATGTGC
 CAAGACCTACCTCCTCTTCTTCCCAATGATGAGGTGATGCACCAGAATCTGGCTTATTACACAGCCATG
 CTTGGAGAAGAAGAGGCCAGCTCCATCAGCCCCAGGGAGAATGCCGAGGAATACCGACGTGGAAGCCTGT
 TGGAGAAAGAAGTCTTTTCTTCGCTTATGACATTTTGGAAATCCCTTTGTGGATCCGGACTCATGGAC
 TCCAGAAGAGGTGATTCCTCAAGAGACTGCAGGAGAACAGAAAGTCGGAACGCGAAAACCGCAGTCCGCATC
 TCCAGGAGATTGGCAACCTTATGAAGGAGATCGAGACCCTCGTGGAGGAGAAGCAAGGAGTCCTTGG
 ATGTGAGCCGACTGACGCGGGAAGGTGGTCCCCTGCTGTATGAAGGCATCAGTCTCACCATGAATCCAA
 AGTCTTGAATGGCTCCCAGCGGGTGGTATGGATGGTGTGATCTCTGATGATGAGTGCCAGGAGCTGCAG
 AGACTGACCAATGCGGCAGCAACTTCGGGAGATGGCTACCGAGGTGAGACCTCCCACACACCCCAATG
 AAAAGTTCTATGGTGTACTGTCTCAAAGCTCTCAAGCTCGGGCAGGAAGGAAAAGTTCCTCTGCAGAG
 TGCCCGCATGTACTACAACGTGACAGAGAAGGTGCGGCGCGTATGGAGTCTACTTCCGCTGGACACG
 CCCCTCTATTTCTTATTTCCACCTCGTGTGCCGCACTGCAATAGAAGAGTACAGGCTGAGAGGAAGG
 ACAGTAGCCACCCCGTCCACGTGGATAACTGCATCCTGAATGCCGAAGCCCTCATGTGTATCAAGGAGCC
 CCCAGCCTACACGTTCCGGGACTACAGCGCCATCCTTTACCTCAATGGCGACTTCGATGGAGGAACTTT
 TACTTACAGAAGTAGATGCCAAGACTGTGACGGCAGAGGTGCAGCCCCAGTGTGGAAGGGCTGTGGGAT
 TCTCTTGGCACTGAGAACCCACATGGAGTGAAGGCTGTACCAGGGGGCAGCGCTGCCCATCGCCCT
 GTGGTTCACGCTGGATCCTCGGCACAGTGAAGAGACAGGGTGCAGGCAGATGACCTGGTGAAGATGCTG
 TTCAGCCCAGAAGAGGTGGACCTCCCCAGGAACAGCCCTGCCTGACCAGCAGGGCTGCCAGAGCCTG
 GAGAAGACCTTCTGCATGGTGTACTGTTCTTGGAGTGGGCATAGCAGGACACACTTCTCTGGGCTTG
 GCT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_019782
Insert Size: 2247 bp

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| 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: | <ol style="list-style-type: none">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_019782.3 , NP_062756.2 |
| RefSeq Size: | 3030 bp |
| RefSeq ORF: | 2247 bp |
| Locus ID: | 56401 |
| UniProt ID: | Q3V1T4 |
| Cytogenetics: | 4 D2.1 |
| Gene Summary: | Basement membrane-associated chondroitin sulfate proteoglycan (CSPG). Has prolyl 3-hydroxylase activity catalyzing the post-translational formation of 3-hydroxyproline in -Xaa-Pro-Gly- sequences in collagens, especially types IV and V. May be involved in the secretory pathway of cells. Has growth suppressive activity in fibroblasts (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1). |