

Product datasheet for **MC221234**

P3h1 (NM_019783) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	P3h1 (NM_019783) 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: >MC221234 representing NM_019783
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTGAGCGAAAGGAGGCTGCTGGCAGCGATGCTAGCGGTGCGCCGCCCGCCGCTTACGGGTTG
 CGGCGGAGTCTGAGCCGGGATGGGACGTGGCAGCCCTGACCTGCTTTACGCAGAGGGGACCAGCGGCTA
 CTCGCGCGGGGACTGGCCCGGGGTGGTCTGAACATGGAGCGGGCGCTGCGCTCGCGGGCGCCCTGCGT
 GCCCTCCGCTGCGCTGCCGCACACGCTGTGCCACCGAAGTCCGCTGGGACCGGACCTGGATCTCGGT
 CGGACCCAGCCTGAGCCAGGACCCGGGCGCCGCCCTGCACGACCTGCGCTTCTTGGAGCGGTGCT
 GCGCCGTGCCGCTGCCTACGCCGCTGCCTCGGGCCGCCCTGCCCCACTTGCTGAGTGAAGAACTGGAC
 CTGGAGTTCAACAAGCGGAGCCCGTACAACCTGCAGGTGCGCTATTTCAAGATAAACAAGCTGGAGA
 AAGCTGTGGTGGCGCACACACCTTCTTTGTGGCAATCTGAGCACATGGAGATGCGGCAGAACCTCGA
 CTATTACCAACCATGTCTGGGGTGAAGGAGGCGAGCTTACGGGATCTCGAGGCCAAGCCCATATGCAT
 GAGTTTCGGTGGGGTACGACTCACTCAGAGGAGAAGCCACAGGAAGCTGTGCCCCACCTGGAGGCGG
 CACTGCAAGAGTACTTTGTGGCCGATGAGGAATGCCGTGCCCTCTGCGAAGGGCCCTATGACTACGACGG
 CTAACAACCTAGACTACAGCGCTGACCTCTCCAGGCCATCACAGATCATTACGTCCAGGTCCTCAAC
 TGTAAGCAGAAGTGTGTACGGAGCTGGCTTCCCACCAAGTAGGGAAAAGCCCTTTGAAGACTTCTCC
 CTTCACTATAATTACCTACAGTTTGCCTACTACAACATTGGGAACTATACACAAGCTATTGAATGTGC
 CAAGACCTACCTCCTCTTCTTCCCAATGATGAGGTGATGCACCAGAATCTGGCTTATTACACAGCCATG
 CTTGGAGAAGAAGAGGCGAGCTCCATCAGCCCCAGGGAGAATGCCGAGGAATACCGACGTCGAAGCCTG
 TGGAAAAGAAGTCTTTTCTTCGCTTATGACATTTTGGAAATCCCTTTGTGGATCCGGACTCATGGAC
 TCCAGAAGAGGTGATTTCCCAAGAGACTGCAGGAGAACAGAAAGTCCGAAACGCGAAAACCGCAGTCCGCATC
 TCCAGGAGATTGCAACCTTATGAAGGAGATCGAGACCCTCGTGGAGGAGAAGCAAGGAGTCCTTGG
 ATGTGAGCCGACTGACGCGGGAAGGTGGTCCCCTGCTGTATGAAGGCATCAGTCTCACCATGAATCCAA
 AGTCTTGAATGGCTCCCAGCGGGTGGTATGGATGGTGTGATCTCTGATGATGAGTGCCAGGAGCTGCAG
 AGACTGACCAATGCGGCAGCAACTTCGGGAGATGGTACCAGGTCAGACCTCCCACACACCCCAATG
 AAAAGTTCTATGGTGTTACTGTCCTCAAAGCTCTCAAGCTCGGGCAGGAAGGAAAAGTTCCTCTGCAGAG
 TGCCCGCATGTACTACAACGTGACAGAGAAGGTGCGGCGCGTATGGAGTCTACTTCCGCTGGACACG
 CCCCTCTATTTCTTATTTCCACCTCGTGTGCCGCACTGCAATAGAAGAGTACAGGCTGAGAGGAAGG
 ACAGTAGCCACCCGTCACGTGGATAACTGCATCCTGAATGCCGAAGCCCTCATGTGTATCAAGGAGCC
 CCCAGCCTACACGTTCCGGGACTACAGCGCCATCCTTTACCTCAATGGCGACTTCGATGGAGGAACTTT
 TACTTCACAGAAGTAGATGCCAAGACTGTGACGGCAGAGGTGCAGCCCCAGTGTGGAAGGGCTGTGGGAT
 TCTCTTGGCACTGAGAACCACATGGAGTGAAGGCTGTACCAGGGGGCAGCGCTGCGCCATCGCCCT
 GTGGTTACGCTGGATCCTCGGCACAGTGAAGAGACAGGGTGCAGGCAGATGACCTGGTGAAGATGCTG
 TTCAGCCCAGAAGAGGTGGACCTCCCCAGGAACAGCCCTGCCCTGACCAGCAGGGCTCGCCAGAGCCTG
 GAGAAGAGTCTGTGTCAGACAGAGGGTGCCTGCACAAGGATGAGCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019783

Insert Size: 2220 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:	<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:	<u>NM_019783.2</u> , <u>NP_062757.2</u>
RefSeq Size:	3210 bp
RefSeq ORF:	2220 bp
Locus ID:	56401
UniProt ID:	<u>Q3V1T4</u>
Cytogenetics:	4 D2.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses alternate splice sites in the 3' coding region and differs in the 3' UTR, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct C-terminus, compared to isoform 1.</p>