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Product datasheet for MC218971

P3h1 (NM_001042411) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
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:

>MC218971 representing NM_001042411
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGATGCGGCAGAACCTCGACTATTACCAAACCATGTCTGGGGTGAAGGAGGCAGACTTCAGGGATC
TCGAGGCCAAGCCCCATATGCATGAGTTTCGGCTGGGGGTACGACTCTACTCAGAGGAGAAGCCACAGGA
AGCTGTGCCCCACCTGGAGGCGGCACTGCAAGAGTACTTTGTGGCCGATGAGGAATGCCGTGCCCTCTGC
GAAGGGCCCTATGACTACGACGGCTACAACTACCTAGACTACAGCGCTGACCTCTTCCAGGCCATCACAG
ATCATTACGTCCAGGTCCTCAACTGTAAGCAGAACTGTGTCACGGAGCTGGCTTCCCACCCAAGTAGGGA
AAAGCCCTTTGAAGACTTCCTCCCTTCACACTATAATTACCTACAGTTTGCCTACTACAACATTGGGAAC
TATACACAAGCTATTGAATGTGCCAAGACCTACCTCCTCTTCTTTCCCAATGATGAGGTGATGCACCAGA
ATCTGGCTTATTACACAGCCATGCTTGGAGAAGAAGAGGCCAGCTCCATCAGCCCCAGGGAGAATGCCGA
GGAATACCGACGTCGAAGCCTGTTGGAGAAAGAACTGCTTTTCTTCGCTTATGACATTTTTGGAATTCCC
TTTGTGGATCCGGACTCATGGACTCCAGAAGAGGTGATTCCCAAGAGACTGCAGGAGAAACAGAAGTCGG
AACGCGAAACCGCAGTCCGCATCTCCCAGGAGATTGGCAACCTTATGAAGGAGATCGAGACCCTCGTGGA
GGAGAAGACCAAGGAGTCCTTGGATGTGAGCCGACTGACGCGGGAAGGTGGTCCCCTGCTGTATGAAGGC
ATCAGTCTCACCATGAATTCCAAAGTCTTGAATGGCTCCCAGCGGGTGGTGATGGATGGTGTGATCTCTG
ATGATGAGTGCCAGGAGCTGCAGAGACTGACCAATGCGGCAGCAACTTCGGGAGATGGCTACCGAGGTCA
GACCTCCCCACACACCCCAAATGAAAAGTTCTATGGTGTTACTGTCCTCAAAGCTCTCAAGCTCGGGCAG
GAAGGAAAAGTTCCTCTGCAGAGTGCCCGCATGTACTACAACGTGACAGAGAAGGTGCGGCGCGTCATGG
AGTCCTACTTCCGCCTGGACACGCCCCTCTATTTCTCTTATTCCCACCTCGTGTGCCGCACTGCAATAGA
AGAGTCACAGGCTGAGAGGAAGGACAGTAGCCACCCCGTCCACGTGGATAACTGCATCCTGAATGCCGAA
GCCCTCATGTGTATCAAGGAGCCCCCAGCCTACACGTTCCGGGACTACAGCGCCATCCTTTACCTCAATG
GCGACTTCGATGGAGGAAACTTTTACTTCACAGAACTAGATGCCAAGACTGTGACGGCAGAGGTGCAGCC
CCAGTGTGGAAGGGCTGTGGGATTCTCTTCTGGCACTGAGAACCCACATGGAGTGAAGGCTGTCACCAGG
GGGCAGCGCTGCGCCATCGCCCTGTGGTTCACGCTGGATCCTCGGCACAGTGAGAGAGACAGGGTGCAGG
CAGATGACCTGGTGAAGATGCTGTTCAGCCCAGAAGAGGTGGACCTCCCCCAGGAACAGCCCCTGCCTGA
CCAGCAGGGCTCGCCAGAGCCTGGAGAAGAGTCTCTGTCAGACAGAGGGTCGCTGCACAAGGATGAGCTA
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001042411

Insert Size: 1683 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001042411.1, NP_001035874.1
RefSeq Size:	2844 bp
RefSeq ORF:	1683 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 (3) differs in the 5' and 3' UTRs, initiates translation at a downstream start codon and uses alternate splice sites in the 3' coding region, compared to variant 1. It encodes isoform 3, which is shorter and has a distinct C-terminus, compared to isoform 1.