

Product datasheet for **MC229295**

Pear1 (NM_001032414) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pear1 (NM_001032414) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pear1
Synonyms: 3110045G13Rik; Jedi-1; Megf12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229295 representing NM_001032414
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCACTTTGTCCCTCCTCCTGCCCCTAGGCCTGCGTCTGACTGGGACACTCAACTCCAATGATC
CCAATGTCTGTACCTTTGGGAAAGCTTACCACGACACTAAGGAGTCCCACCTGCGCCCTTCAGCCT
GCTCCCAGCTGAGTCCTGCCACAGGCCCTGGGAGGACCCACACCTGTGCCAGCTACGGTTGTCTAC
CGGACTGTGTACCGTCAAGTGGTGAAGATGGACTCCCGCCACGCTGCAGTGTGTAGGGTTACTACG
AGAGCAGAGGGGCTGTGTCCACTCTGTGCCAGGAGTGTGCCATGGTTCGCTGTGTGGCTCCGAATCA
GTGCCAGTGTGCACCAGGCTGGCGGGTGGCGACTGCTCCAGCGAGTGTGCCCGGGAATGTGGGGACCA
CAGTGTGACAAGTTCTGCCACTGTGGCAACAACAGTTCCTGTGATCCCAAGAGTGGGACGTGCTTTTGC
CCTTGGCTGCAGCCCCCACTGCCTCAGCCCTGCCCTGCCGGCCACTATGGTCTGCCTGCCAGTT
TGATTGCCAGTGTATGGGGCATCCTGTGACCCCCAGGATGGAGCCTGTTTCTGCCCTCCAGGGAGAGCA
GGACCCAGCTGTAATGTGCCCTGTTACAGGGCACTGATGGCTTCTTCTGCCCCAGAACATATCCTTGC
AAAATGGAGGTGTTCTCAGGGCTCCCAAGGCTCCTGCAGTGCCACCGGGCTGGATGGGTGTCATTTG
TTCCCTGCCATGCCAGAGGGTTTCCATGGACCAACTGACTCAGGAATGTCGCTGCCACAACGGTGGC
CTCTGTGACAGGTTTACTGGGCACTGCTGCTCCTGGCTATATCGGGGATCGGTGCCAAGAAGAGT
GCCCCGTGGGCGCTTCGGTCAAGACTGTGCTGAGACCTGTGACTGTGCTCCTGGCGCCCTTGCTTTCC
TGCTAATGGCGCTGTCTGTGTGAACATGGCTTACAGGGCAGCCGCTGCAGTGCAGCCTCTGTCCGGAT
GGCCGCTATGGTCTGAGTGCAGGAGCCCTGCACCTGCGACCCAGAACACAGTCTCAGTGCACCCGA
TGCACGGCGAGTGTCTGCCAGCCAGGTTGGCGGGCTCCACTGCAACGAGAGCTGCCCTCAGGACAC
GCATGGCCCGGGTGCAGGAGCACTGCCTCTGTCTGCACGGAGGGCTCTGCCTTGCCGACAGCGCCCTC
TGCCGGTGCAGCGCGGGATACACGGGACCTCACTGCGCTAACCTATGTCCACCGGACACTTACGGGATCA
ACTGTTCTCCCTGCTCCTGTGAAAATGCCATTGCCTGCTCTCCCATCGACGGCAGTGCATCTGCAA
GGAAGTTGGCAGCGTGGTAACCTGCTCTGTTCCCTGTCCCTTGGCACCTGGGGCTTCAATTGCAATGCC
AGTTGCCAGTGTGCCACGACGGAGTCTGCAGCCCCAACTGGAGCCTGTACTGCACCCTGGGTGGC



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ATGGTGCTCACTGCCAGCTTCCCTGCCCGAAGGGACAGTTTGGTGAAGGCTGTGCCAGTGTCTGTGACTG
TGACCACTCTGATGGCTGTGACCCTGTTTCATGGACAGTGGCGATGTCAGGCTGGTTGGATGGGCACACGC
TGCCACCTGCCTTGCCCGGAGGGCTTTTGGGGAGCCAACCTGCAGTAACACCTGTACCTGCAAGAATGGTG
GTACCTGTGTGTCTGAGAATGGCAACTGCGTGTGCGCACCAGGGTCCGAGGCCCTCCTGCCAGAGGCC
CTGCCCGCTGGTCGCTATGGCAAACGCTGTGTGCAATGCAAGTGAACAACAACCATTCTTCTGCCAC
CCATCGGACGGGACCTGCTCTGCTGGCGGGCTGGACAGGCCCTGACTGCTCCGAGGCATGTCCCCAG
GCCACTGGGGACTCAAATGCTCCCAACTGCCCAGTGTATCATGGTGGGACCTGCCACCCCAAGGATGG
GAGCTGTATCTGCACGCCAGGCTGGACTGGACCCAACCTGCTTGAAGGCTGCCACCAAGAATGTTTGGT
GTCAACTGCTCCAGCTATGTCAGTGTGATCTCGGAGAGATGTGCCACCCAGAGACTGGGCTTGTGTCT
GTCCCCAGGACACAGTGGTGCAGACTGCAAAATGGGAAGCCAGGAGTCTTACCATAATGCCACCTC
TCCCGTGACCCATAAECTACTGGGTGCAGTGATTGGCATTGCAGTACTGGGAACCCTCGTGGTGGCCCTG
ATAGCACTGTTTATTGGTACCAGCAGTGGCAAAGGGCAAGGAACATGAGCACTGGCAGTGGCTTACA
GCACTGGGCGGCTGGATGGCTGTATTACGTGATGCCAGATGTCTCTCCGAGCTATAGTCACTACTACTC
CAACCCAGCTACCACACTGTCTCAGTGTCTCCTAACCCCAACCCCTAACAAAGTCCAGGCAGT
CAGCTCTTTGTCAGCTCCAGGCCCTGAGCGGCAAGCAGAGCCACGGGCGTGAGAACCATGTCACAC
TGCCCGCTGACTGGAAGCACCGCGGGAGCCCATGAAAGAGGCGCCAGCCACCTGGACCGAAGCTATAG
CTGTAGCTATAGCCACAGGAATGGCCCGGGACCATTCTGTGATAAAGTCCCATCTCTGAAGAGGGACTA
GGGGCAAGCGTTATGTCCCTGAGCAGTGAGAACCCTATGCTACCATCCGAGACCTGCCAGCCTGCCTG
GGGAACCCCGAGAAAGCGGCTATGTGGAGATGAAAGGACCTCCATCAGTGTCCCCTCCAGGCAGTCTCT
TCATCTCCGGGACAGGCAGCAGCGGCAACTGCAGCCACAGAGGGACAGTGGCACCTATGAGCAGCCACG
CCCTTGAGCCATAATGAAGAGTCTTTGGGCTCCACGCCCGCTTCTCCAGGCCTGCCTCTGGTCACT
ACGACTCCCCAAGAACAGCCATATCCCTGGACACTATGACTTGCTCCAGTACGGCATCTCCATCCCC
TCCATCCCGGCCAGGACCGTGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001032414
- Insert Size:** 3105 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001032414.1](#), [NP_001027586.1](#)

RefSeq Size: 4297 bp

RefSeq ORF: 3105 bp

Locus ID: 73182

UniProt ID: [Q8VIK5](#)

Cytogenetics: 3 F1

Gene Summary: When overexpressed, reduces the number of both early and late non-adherent myeloid progenitor cells.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, and 4 all encode the same isoform (a).