

Product datasheet for **MC229294**

Pear1 (NM_001032413) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pear1 (NM_001032413) 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: >MC229294 representing NM_001032413
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCACTTTGTCCCTCCTCCTGCCCCTAGGCCTGCGTCTGACTGGGACACTCAACTCCAATGATC
 CCAATGTCTGTACCTTTGGGAAAGCTTACCACGACCACTAAGGAGTCCCACCTGCGCCCTTCAGCCT
 GCTCCCAGCTGAGTCCTGCCACAGGCCCTGGGAGGACCCACACCTGTGCCAGCTACGGTTGTCTAC
 CGGACTGTGTACCGTCAAGTGGTGAAGATGGACTCCCGCCACGCTGCAGTGTGTAGGGTTACTACG
 AGAGCAGAGGGGCTGTGTCCACTCTGTGCCAGGAGTGTGCCATGGTTCGCTGTGTGGCTCCGAATCA
 GTGCCAGTGTGCACCAGGCTGGCGGGTGGCGACTGCTCCAGCGAGTGTGCCCGGGAATGTGGGGACCA
 CAGTGTGACAAGTTCTGCCACTGTGGCAACAACAGTTCCTGTGATCCCAAGAGTGGGACGTGCTTTTGC
 CCTTGGCTGCAGCCCCCAACTGCCTTACGCCCTGCCCTGCCGGCCACTATGGTCTGCCTGCCAGTT
 TGATTGCCAGTGTATGGGGCATCCTGTGACCCCCAGGATGGAGCCTGTTTCTGCCCTCCAGGGAGAGCA
 GGACCCAGCTGTAATGTGCCCTGTTACAGGGCACTGATGGCTTCTTCTGCCCCAGAACATATCCTTGC
 AAAATGGAGGTGTTCTCAGGGCTCCCAAGGCTCCTGCAGTGCCACCGGGCTGGATGGGTGTCATTTG
 TTCCCTGCCATGCCAGAGGGTTTCCATGGACCAACTGACTCAGGAATGTGCTGCCACAACGGTGGC
 CTCTGTGACAGGTTTACTGGGCACTGCTGCTCCTGGCTATATCGGGGATCGGTGCCAAGAAGAGT
 GCCCGTGGGCGCTTCGGTCAAGACTGTGCTGAGACCTGTGACTGTGCTCCTGGCGCCCGTTGCTTTCC
 TGCTAATGGCGCTGTCTGTGTGAACATGGCTTACAGGGCAGCGCTGCAGTGCAGCGCTGTCCGGAT
 GGCCGCTATGGTCTGAGTGCAGGAGCCCTGCACCTGCGACCCAGAACACAGTCTCAGTGCACCCGA
 TGCACGGCGAGTGTCTGCCAGCCAGGTTGGCGGGCCTCCACTGCAACGAGAGCTGCCCTCAGGACAC
 GCATGGCCCGGGCTGCCAGGAGCACTGCCTGTCTGCACGGAGGGCTCTGCCTTGGCGACAGCGCCCTC
 TGCCGGTGGCGCGGGATACACGGGACCTCACTGCGCTAACCTATGTCCACCGGACACTTACGGGATCA
 ACTGTTCTCCCCTGCTCCTGTGAAAATGCCATTGCCTGCTCTCCCATCGACGGCAGTGCATCTGCAA
 GGAAGTTGGCAGCGTGGTAACCTGCTCTGTTCCCTGTCCCTTGGCACCTGGGGCTTCAATTGCAATGCC
 AGTTGCCAGTGTGCCACGACGGAGTCTGCAGCCCCAACTGGAGCCTGTACTGCACCCTGGGTGGC



ATGGTGCTCACTGCCAGCTTCCCTGCCCGAAGGGACAGTTTGGTGAAGGCTGTGCCAGTGTCTGTGACTG
 TGACCACTCTGATGGCTGTGACCCTGTTTCATGGACAGTGGCGATGTCAGGCTGGTTGGATGGGCACACGC
 TGCCACCTGCCTTGCCCGGAGGGCTTTTGGGGAGCCAACCTGCAGTAACACCTGTACCTGCAAGAATGGTG
 GTACCTGTGTGTCTGAGAATGGCAACTGCGTGTGCGCACCAGGGTCCGAGGCCCTCTGCCAGAGGCC
 CTGCCCCCTGGTCGCTATGGCAAACGCTGTGTGCAATGCAAGTGAACAACAACCATTCTTCTGCCAC
 CCATCGGACGGGACCTGCTCTGCTGGCGGGCTGGACAGGCCCTGACTGCTCCGAGGCATGTCCCCAG
 GCCACTGGGGACTCAAATGCTCCCAACTGCCCAGTGTATCATGGTGGGACCTGCCACCCCAAGGATGG
 GAGCTGTATCTGCACGCCAGGCTGGACTGGACCCAACCTGCTTGAAGGCTGCCACCAAGAATGTTTGGT
 GTCAACTGCTCCAGCTATGTCAGTGTGATCTCGGAGAGATGTGCCACCCAGAGACTGGGCTTGTGTCT
 GTCCCCAGGACACAGTGGTGCAGACTGCAAAATGGGAAGCCAGGAGTCTTACCATAATGCCACCTC
 TCCCGTGACCCATAAECTACTGGGTGCAGTGATTGGCATTGCAGTACTGGGAACCCTCGTGGTGGCCCTG
 ATAGCACTGTTTATTGGTACCGCCAGTGGCAAAGGGCAAGGAACATGAGCACTGGCAGTGGCTTACA
 GCACTGGGCGGCTGGATGGCTGTATTACGTATGCCAGATGTCTCTCCGAGCTATAGTCACTACTACTC
 CAACCCAGCTACCACACTGTCTCAGTGTCTCCTAACCCCAACCCCTAACAGGTCCAGGCAGT
 CAGCTCTTTGTCAGCTCCAGGCCCTGAGCGGCAAGCAGAGCCACGGGCGTGAGAACCATGTCACAC
 TGCCCGCTGACTGGAAGCACCGCGGGAGCCCATGAAAGAGGCGCCAGCCACCTGGACCGAAGCTATAG
 CTGTAGCTATAGCCACAGGAATGGCCCGGGACCATTCTGTGATAAAGGTCCCATCTCTGAAGAGGGACTA
 GGGGAAGCGTTATGTCCCTGAGCAGTGAGAACCCTATGCTACCATCCGAGACCTGCCAGCCTGCCTG
 GGGAAACCCGAGAAAGCGGCTATGTGGAGATGAAAGGACCTCCATCAGTGTCCCCCCCAGGCAGTCTCT
 TCATCTCCGGGACAGGCAGCAGCGGCAACTGCAGCCACAGAGGGACAGTGGCACCTATGAGCAGCCACG
 CCCTTGAGCCATAATGAAGAGTCTTTGGGCTCCACGCCCGCTTCTCCAGGCCTGCCTCTGGTCACT
 ACGACTCCCCAAGAACAGCCATATCCCTGGACACTATGACTTGCTCCAGTACGGCATCTCCATCCCC
 TCCATCCCGGCCAGGACCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001032413
- 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_001032413.1](#), [NP_001027585.1](#)

RefSeq Size: 4367 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 (3) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, and 4 all encode the same isoform (a).