OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC229296

Pear1 (NM_152799) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pear1 (NM_152799) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pear1
Synonyms:	3110045G13Rik; Jedi-1; Megf12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC229296 representing NM_152799
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCACTTTGTCCCCTCCTCCTCCTGGCCCTAGGCCTGCGTCTGACTGGGACACTCAACTCCAATGATC
CCAATGTCTGTACCTTTTGGGAAAGCTTCACCACGACCACTAAGGAGTCCCACCTGCGCCCCTTCAGCCT
GCTCCCAGCTGAGTCCTGCCACAGGCCCTGGGAGGACCCCCACACCTGTGCCCAGCCTACGGTTGTCTAC
CGGACTGTGTACCGTCAGGTGGTGAAGATGGACTCCCGCCCACGCCTGCAGTGCTGTAGGGGTTACTACG
AGAGCAGAGGGGCCTGTGTCCCACTCTGTGCCCAGGAGTGTGTCCATGGTCGCTGTGTGGCTCCGAATCA
GTGCCAGTGTGCACCAGGCTGGCGGGGTGGCGACTGCTCCAGCGAGTGTGCCCCGGGAATGTGGGGACCA
CAGTGTGACAAGTTCTGCCACTGTGGCAACAACAGTTCCTGTGATCCCAAGAGTGGGACGTGCTTTTGCC
CCTCTGGCCTGCAGCCCCCCAACTGCCTTCAGCCCTGCCCTGCCGGCCACTATGGTCCTGCCTGCCAGTT
TGATTGCCAGTGCTATGGGGCATCCTGTGACCCCCAGGATGGAGCCTGTTTCTGCCCTCCAGGGAGAGCA
GGACCCAGCTGTAATGTGCCCTGTTCACAGGGCACTGATGGCTTCTTCTGCCCCAGAACCTATCCTTGCC
AAAATGGAGGTGTTCCTCAGGGCTCCCAAGGCTCCTGCAGCTGCCCACCGGGCTGGATGGGTGTCATTTG
TTCCCTGCCATGCCCAGAGGGTTTCCATGGACCCAACTGTACTCAGGAATGTCGCTGCCACAACGGTGGC
CTCTGTGACAGGTTTACTGGGCAGTGCCACTGTGCTCCTGGCTATATCGGGGATCGGTGCCAAGAAGAGT
GCCCCGTGGGCCGCTTCGGTCAAGACTGTGCTGAGACCTGTGACTGTGCTCCTGGCGCCCGTTGCTTTCC
TGCTAATGGCGCGTGTCTGTGTGAACATGGCTTCACAGGCGACCGCTGCACTGAGCGCCTCTGTCCGGAT
GGCCGCTATGGTCTGAGCTGCCAGGAGCCCTGCACCTGCGACCCAGAACACAGTCTCAGCTGCCACCCGA
TGCACGGCGAGTGCTCCTGCCAGCCAGGTTGGGCGGGCCTCCACTGCAACGAGAGCTGCCCTCAGGACAC
GCATGGCCCGGGCTGCCAGGAGCACTGCCTCTGTCTGCACGGAGGGCTCTGCCTTGCCGACAGCGGCCTC
TGCCGGTGCGCGCCGGGATACACGGGACCTCACTGCGCTAACCTATGTCCACCGGACACTTACGGGATCA
ACTGTTCCTCCCGCTGCTCCTGTGAAAATGCCATTGCCTGCTCTCCCATCGACGGCACGTGCATCTGCAA
GGAAGGTTGGCAGCGTGGTAACTGCTCTGTTCCCTGTCCCCTTGGCACCTGGGGCTTCAATTGCAATGCC

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AGTTGCCAGTGTGCCCACGACGGAGTCTGCAGCCCCCAAACTGGAGCCTGTACTTGCACCCCTGGGTGGC
ATGGTGCTCACTGCCAGCTTCCCTGCCCGAAGGGACAGTTTGGTGAAGGCTGTGCCAGTGTCTGTGACTG
TGACCACTCTGATGGCTGTGACCCTGTTCATGGACAGTGCCGATGTCAGGCTGGTTGGATGGGCACACGC
TGCCACCTGCCTTGCCCGGAGGGCTTTTGGGGAGCCAACTGCAGTAACACCTGTACCTGCAAGAATGGTG
GTACCTGTGTGTCTGAGAATGGCAACTGCGTGTGCGCACCAGGGTTCCGAGGCCCCTCCTGCCAGAGGCC
CTGCCCGCCTGGTCGCTATGGCAAACGCTGTGTGCAATGCAAGTGTAACAACAACCATTCTTCCTGCCAC
CCATCGGACGGGACCTGCTCCTGCCTGGCGGGCTGGACAGGCCCTGACTGCTCCGAGGCATGTCCCCCAG
GCCACTGGGGACTCAAATGCTCCCAACTCTGCCAGTGTCATCATGGTGGGACCTGCCACCCCCAGGATGG
GAGCTGTATCTGCACGCCAGGCTGGACTGGACCCAACTGCTTGGAAGGCTGCCCACCAAGAATGTTTGGT
GTCAACTGCTCCCAGCTATGTCAGTGTGATCTCGGAGAGATGTGCCACCCAGAGACTGGGGCTTGTGTCT
GTCCCCCAGGACACAGTGGTGCAGACTGCAAAATGGGAAGCCAGGAGTCCTTCACCATAATGCCCACCTC
TCCCGTGACCCATAACTCACTGGGTGCAGTGATTGGCATTGCAGTACTGGGAACCCTCGTGGTGGCCCTG
ATAGCACTGTTCATTGGCTACCGCCAGTGGCAAAAGGGCAAGGAACATGAGCACTTGGCAGTGGCTTACA
GCACTGGGCGGCTGGATGGCTCTGATTACGTCATGCCAGATGTCTCTCCGAGCTATAGTCACTACTACTC
CAACCCCAGCTACCACACACTGTCTCAGTGTTCTCCTAACCCCCCACCCCCTAACAAGGTCCCAGGCAGT
CAGCTCTTTGTCAGCTCCCAGGCCCCTGAGCGGCCAAGCAGAGCCCACGGGCGTGAGAACCATGTCACAC
TGCCCGCTGACTGGAAGCACCGCCGGGAGCCCCATGAAAGAGGCGCCAGCCACCTGGACCGAAGCTATAG
CTGTAGCTATAGCCACAGGAATGGCCCGGGACCATTCTGTCATAAAGGTCCCATCTCTGAAGAGGGACTA
GGGGCAAGCGTTATGTCCCTGAGCAGTGAGAACCCCTATGCTACCATCCGAGACCTGCCCAGCCTGCCTG
GGGAACCCCGAGAAAGCGGCTATGTGGAGATGAAAGGACCTCCATCAGTGTCCCCTCCCAGGCAGTCTCT
TCATCTCCGGGACAGGCAGCAGCGGCAACTGCAGCCACAGAGGGACAGTGGCACCTATGAGCAGCCCAGC
CCCTTGAGCCATAATGAAGAGTCTTTGGGCTCCACGCCCCCGCTTCCTCCAGGCCTGCCTCCTGGTCACT
ACGACTCCCCCAAGAACAGCCATATCCCTGGACACTATGACTTGCCTCCAGTACGGCATCCTCCATCCCC
TCCATCCCGGCGCCAGGACCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_152799

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_152799.2, NP_690012.2
RefSeq Size:	4466 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 (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3, and 4 all encode the same isoform (a).