

## Product datasheet for **MC223282**

### Pear1 (NM\_028460) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pear1 (NM_028460) 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:	>MC223282 representing NM_028460 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCACTTTGTCCCTCCTCCTGCCCCTAGGCCTGCGTCTGACTGGGACACTCAACTCCAATGATC  
CCAATGTCTGTACCTTTGGAAAGCTTACCACGACCACTAAGGAGTCCCACCTGCGCCCTTCAGCCT  
GCTCCAGCTGAGTCTGCCACAGGCCCTGGGAGGACCCACACCTGTGCCAGCCTACGGTTGTCTAC  
CGGACTGTGTACCGTCAAGTGGTGAAGATGGACTCCCGCCACGCTGCAGTGTGTAGGGTTACTACG  
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GTGCCAGTGTGCACCAGGCTGGCGGGTGGCGACTGCTCCAGCGAGTGTGCCCGGAATGTGGGACCA  
CAGTGTGACAAGTTCTGCCACTGTGGCAACAACAGTTCCTGTGATCCCAAGAGTGGGACGTGCTTTTGC  
CCTCTGGCCTGCAGCCCCCAACTGCCTTCAGCCCTGCCCTGCCGGCCACTATGGTCTGCTGCCAGTT  
TGATTGCCAGTGTATGGGGCATCCTGTGACCCCCAGGATGGAGCCTGTTTCTGCCCTCCAGGGAGAGCA  
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TGCACGGCGAGTGTCTGCCAGCCAGGTTGGCGGGCTCCACTGCAACGAGAGCTGCCCTCAGGACAC  
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TGCCGGTGCAGCGGGATACACGGGACCTCACTGCGCTAACCTATGTCCACCGGACACTACGGGATCA  
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GGAAGTTGGCAGCGTGGTAAGTCTGTTCCCTGTCCCTTGGCACCTGGGGCTCAATTGCAATGCC



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AGTTGCCAGTGTGCCACGACGGAGTCTGCAGCCCCAACTGGAGCCTGTACTTGCACCCCTGGGTGGC
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TGACCACTCTGATGGCTGTGACCCTGTTTCATGGACAGTGGCGATGTCAGGCTGGTTGGATGGGCACACGC
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CTGCCCCGCTGGTCGCTATGGCAAACGCTGTGTGCAATGCAAGTGAACAACAACCATTCTCTGCCAC
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GCCACTGGGGACTCAAATGCTCCCAACTGCCAGTGTTCATCATGGTGGGACCTGCCACCCAGGATGG
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GCACTGGGCGGCTGGATGGCTCTGATTACGTATGCCAGATGTCTCTCCGAGCTATAGTCACTACTACTC
CAACCCAGCTACCACACTGTCTCAGTGTCTCCTAACCCCCACCCCTAACAGGTCCAGGCAGT
CAGCTCTTTGTCAGCTCCAGGCCCTGAGCGGCCAAGCAGAGCCACGGGCGTGAGAACCATGTCACAC
TGCCCGCTGACTGGAAGCACCGCCGGGAGCCCCATGAAAGAGGCCAGCCACCTGGACCGAAGCTATAG
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GGGAACCCCGAGAAAGCGGCTATGTGGAGATGAAAGGACCTCCATCAGTGTCCCCCCCAGGCAGTCTCT
TCATCTCCGGGACAGGCAGCAGCGGCAACTGCAGCCACAGAGGGACAGTGGCACCTATGAGCAGCCACGC
CCCTTGAGCCATAATGAAGAGTCTTTGGGCTCCACGCCCCCGCTCCTCCAGGCCTGCCTCTGGTCACT
ACGACTCCCCAAGAACAGCCATATCCCTGGACACTATGACTTGCCTCCAGTACGGCATCCTCCATCCCC
TCCATCCCGGCCAGGACCGCTGA

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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1584\\_a04.zip](https://cdn.origene.com/chromatograms/ja1584_a04.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_028460

**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).

**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\\_028460.2](#), [NP\\_082736.1](#)

RefSeq Size: 4501 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 (1) encodes the longest isoform (a). Variants 1, 2, 3, and 4 all encode the same isoform (a).