

Product datasheet for **MC228925**

Pear1 (NM_001289601) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pear1 (NM_001289601) 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



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Fully Sequenced ORF: >MC228925 representing NM_001289601
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTGTCATTTGTTCCCTGCCATGCCAGAGGGTTTCCATGGACCCAAGTACTCAGGAATGTCGCT
 GCCACAACGGTGGCCTCTGTGACAGTTTACTGGGCAGTGCCACTGTGCTCCTGGCTATATCGGGGATCG
 GTGCCAAGAAGAGTGCCCGTGGGCCGCTTCGGTCAAGACTGTGCTGAGACCTGTGACTGTGCTCCTGGC
 GCCCGTTGCTTTCCTGCTAATGGCGCGTGTCTGTGTAACATGGCTTACAGGCGACCGCTGCACCTGAGC
 GCCTCTGTCCGGATGGCCGCTATGGTCTGAGCTGCCAGGAGCCCTGCACCTGCGACCCAGAACACAGTCT
 CAGCTGCCACCCGATGCACGGCAGTGTCTGCCAGCCAGGTTGGGCGGGCCTCCACTGCAACGAGAGC
 TGCCCTCAGGACACGCATGGCCCGGGTCCAGGAGACTGCCTCTGTCTGCACGGAGGGCTCTGCCTTG
 CCGACAGCGGCCCTGCCGGTGCAGCGCCGGATACACGGGACCTCACTGCGCTAACCTATGTCCACCGGA
 CACTTACGGGATCAACTGTTCTCCCGTGTCTCTGTGAAAATGCCATTGCTCTCCATCGACGGC
 ACGTGCATCTGCAAGGAAGGTTGGCAGCGTGGTAACTGCTGTTCCTGTCCCTTGGCACCTGGGGCT
 TCAATTGCAATGCCAGTTGCCAGTGTGCCACGACGGAGTCTGCAGCCCCAAACTGGAGCCTGACTTG
 CACCCCTGGGTGGCATGGTGTCTACTGCCAGCTTCCCTGCCCGAAGGGACAGTTTGGTGAAGGCTGTGCC
 AGTGTCTGTGACTGTGACCACCTGTATGGCTGTGACCCTGTTTATGGACAGTGGCGATGTGAGGCTGGT
 GGATGGGCACACGCTGCCACCTGCCTTGGCCGGAGGGCTTTTGGGGAGCCAAGTGCAGTAACACCTGTAC
 CTGCAAGAATGGTGGTACCTGTGTGTCTGAGAAATGGCAACTGCGTGTGCGCACAGGGTCCGAGGCCCC
 TCCTGCCAGAGGCCCTGCCCGCTGGTCTGCTATGGCAAACGCTGTGTGCAATGCAAGTGTAAACAACCC
 ATTCTTCTGCCACCCATCGGACGGGACTGCTCCTGCCTGGCGGGCTGGACAGGCCCTGACTGTCCGA
 GGCATGTCCCCCAGGCCACTGGGACTCAAATGCTCCCAACTCTGCCAGTGTATCATGGTGGGACCTGC
 CACCCCAAGGATGGGAGCTGTATCTGCACGCCAGGCTGGACTGGACCCAAGTGTGGAAGGCTGCCAC
 CAAGAATGTTGGTGTCAACTGCTCCCAGCTATGTGAGTGTATCTCGGAGAGATGTGCCACCCAGAGAC
 TGGGGCTGTGTCTGTCCCCAGGACACAGTGGTGCAGACTGCAAAAATGGGAAGCCAGGAGTCTTCCACC
 ATAATGCCACCTCTCCCGTACCATAACTCACTGGGTGCAGTATTGGCATTGCAGTACTGGGAACCC
 TCGTGGTGGCCCTGATAGCACTGTTTATTGGCTACCGCCAGTGGCAAAAGGGCAAGGAACATGAGCACTT
 GGCAGTGGCTTACAGCACTGGGCGGCTGGATGGCTCTGATTACGTCATGCCAGATGTCTCTCCGAGCTAT
 AGTCACTACTACTCAACCCAGCTACCACACTGTCTCAGTGTCTCCTAACCCCCACCCCTAACA
 AGGTCCCAGGCAGTCACTCTTTGTGAGCTCCAGGCCCTGAGCGGCCAAGCAGAGCCACGGGGGTGA
 GAACCATGTCACACTGCCCGTACTGGAAGCACCGCCGGGAGCCCCATGAAAGAGGGCGCCAGCCACTG
 GACCGAAGCTATAGCTGTAGCTATAGCCACAGGAATGGCCGGGACCATTTCTGTCAAAAGGTCCCCTCT
 CTGAAGAGGGACTAGGGGCAAGCGTTATGTCCCTGAGCAGTGAGAACCCCTATGCTACCATCCGAGACCT
 GCCCAGCTGCCTGGGGAACCCGAGAAAGCGGCTATGTGGAGATGAAAGGACCTCCATCAGTGTCCCT
 CCCAGGCAGTCTTTCATCTCCGGGACAGGCAGCAGCGGCAACTGCAGCCACAGAGGGACAGTGGCACCT
 ATGAGCAGCCAGCCCTTGAGCCATAATGAAGAGTCTTTGGGCTCCACGCCCCCGCTTCTCCAGGCCCT
 GCCTCCTGGTCACTACGACTCCCCAAGAACAGCCATATCCCTGGACACTATGACTTGCTCCAGTACGG
 CATCCTCCATCCCCTCCATCCCGCGCCAGGACCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001289601
Insert Size: 2349 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:	<ol style="list-style-type: none">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:	<u>NM_001289601.1, NP_001276530.1</u>
RefSeq Size:	4510 bp
RefSeq ORF:	2349 bp
Locus ID:	73182
UniProt ID:	<u>Q8VIK5</u>
Cytogenetics:	3 F1
Gene Summary:	<p>When overexpressed, reduces the number of both early and late non-adherent myeloid progenitor cells.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (6) has several internal differences, which causes translation initiation at an alternate start codon, compared to variant 1. The resulting isoform (c) is shorter at the N-terminus compared to isoform a.</p>