

Product datasheet for MR217686

Pear1 (NM_028460) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Pear1 (NM_028460) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Pear1 |
| Synonyms: | 3110045G13Rik; Jedi-1; Megf12 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR217686 representing NM_028460 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACTTTGTCCCTCCTCCTGGCCCTAGGCTGCGTCTGACTGGGACACTCAACTCCAATGATC
CCAATGTCTGTACCTTTGGAAAGCTTACCACGACCACTAAGGAGTCCCACCTGCGCCCTTCAGCCT
GCTCCAGCTGAGTCTGCCACAGGCCCTGGGAGGACCCACACCTGTGCCAGCCTACGGTTGTCTAC
CGGACTGTGTACCGTCAAGTGGTGAAGATGGACTCCCGCCACGCTGCAGTGTGTAGGGTTACTACG
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TGATTGCCAGTGTATGGGGCATCCTGTGACCCCCAGGATGGAGCCTGTTTCTGCCCTCCAGGGAGAGCA
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AGTTGCCAGTGTGCCACGACGGAGTCTGCAGCCCCAACTGGAGCCTGTACTTGCACCCCTGGGTGGC
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TCATCTCCGGGACAGGCAGCAGCGGCAACTGCAGCCACAGAGGGACAGTGGCACCTATGAGCAGCCAGC
CCCTTGAGCCATAATGAAGAGTCTTTGGGCTCCACGCCCCCGCTCTCCAGGCCTGCCTCTGGTCACT
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TCCATCCCGGCGCCAGGACCGC
    
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217686 representing NM_028460
 Red=Cloning site Green=Tags(s)

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MPLCPLLLLALGLRLTGLNSNDPNVCTFESFTTTTKESHLRPFSLPAESCHRWPEDPHTCAQPTVVY
RTVYRQVVKMDSRPLQCCRGYYESRGACVPLCAQECVHGRCVAPNQCCAPGWRGGDCSSECAPGMWGP
QCDKFCHCGNNSCDPKSGTFCPSGLQPPNCLQPCPAGHYGPACQFDCQCYGASCDPQDGACFCPPGRA
GPSCNVPCSQGTDGFFCPRTYPCQNGGVPQGSQGSQSCPPGWMGVI CSLPCPEGFHGPNCQTECRCHNGG
LCDRFTGQCHCAPGYIGDRCQECPVGRFGQDCAETDCAPGARCFPANGACLCEHGFTGDRCTERLCPD
GRYGLSCQEPCTCDPEHSLSCHPMHGECSQPGWAGLHCNESCQDTHGPGCQEHLCLHGGGLCLADSLG
CRCAPGYTGPHCANLCPDPTYGINCSSRCSCEAIAICSPIDGTICKEGWQRGNCSVPCPLGTWGFNCNA
SCQCAHDGVCSPQTGACTCTPGWHGAHQQLPCPKGQFGEGCASVCDCHSDGCDPVHGCRCQAGWMGTR
CHLPCPEGFWGANCSNTCTCKNGGTCVSENGNCVAPGFRGSPQCRPCPPGRYGRVQCKNHNHSSCH
PSDGTCSLAGWTGPDCEACPPGHWGLKCSQLCQCHGGTCHPQDQSGICTPGWTGPNCLGECPPRMFG
VNCSQLCQCDLGMCHPETGACVCPGHSADCKMGSQESFTIMPTSPVTHNSLGAIVIGI AVLGLVVAL
IALFIGYRQWQKGEHEHLAVAYSTGRLDGSDYVMPDVSPSYSHYNSPNYSHTLSQCSNPPPPNKVPGS
QLFVSSQAPERPSRAHGRENHVTLPADWKHRRPHERGASHLDRSYSCSYSHRNGPFPCHKGPISEEGL
GASVMSLSEENPYATIRDLPSPGEPRESGYVEMKGPPSVSPRQSLHLRDRQQRQLQPQRDSGTYEQPS
PLSHNEESLSTPPLPPGLPPGHYDSPKNSHIPGHYDLPPVRHPPSPSRRQDR
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9096_d07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_028460

ORF Size: 3102 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

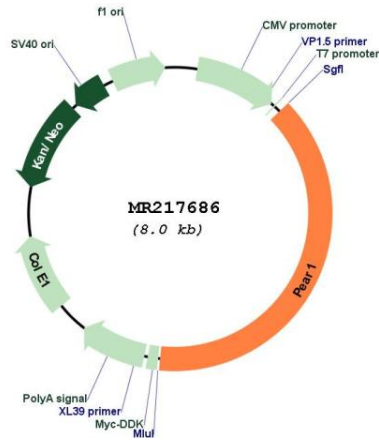
RefSeq ORF: 3105 bp

Locus ID: 73182

UniProt ID: [Q8VIK5](#)

Cytogenetics: 3 F1
MW: 110.6 kDa
Gene Summary: When overexpressed, reduces the number of both early and late non-adherent myeloid progenitor cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217686