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Product datasheet for MR231505

Pear1 (NM_001032413) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pear1 (NM_001032413) 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:	>MR231505 representing NM_001032413 Red=Cloning site Blue=ORF Green=Tags(s) 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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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR231505 representing NM_001032413
Red=Cloning site Green=Tags(s)

MPLCPLLLLALGLRLTGTLNSNDPNVCTFWESFTTTTKESHLRPFSLLPAESCHRPWEDPHTCAQPTVVY
RTVYRQVVKMDSRPRLQCCRGYYESRGACVPLCAQECVHGRCVAPNQCQCAPGWRGGDCSSECAPGMWGP
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GASVMSLSSENPYATIRDLPSLPGEPRESGYVEMKGPPSVSPPRQSLHLRDRQQRQLQPQRDSGTYEQPS
PLSHNEESLGSTPPLPPGLPPGHYDSPKNSHIPGHYDLPPVRHPPSPPSRRQDR

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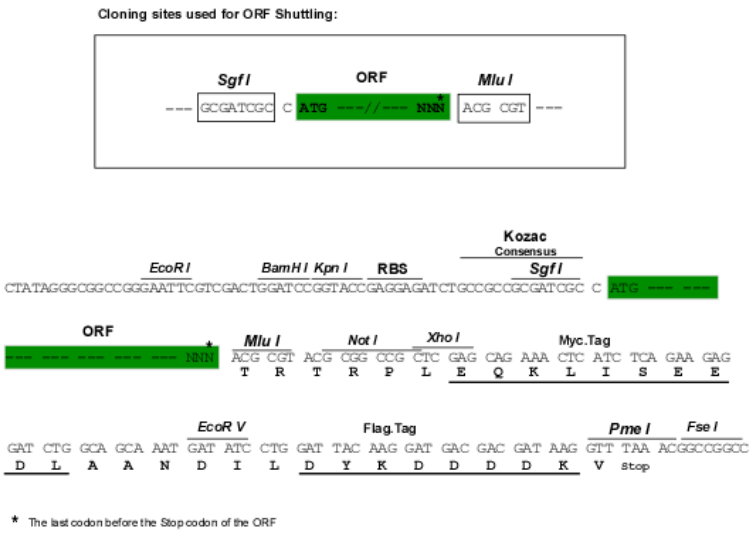
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001032413
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_001032413.1, NP_001027585.1
RefSeq Size:	4367 bp
RefSeq ORF:	3105 bp
Locus ID:	73182

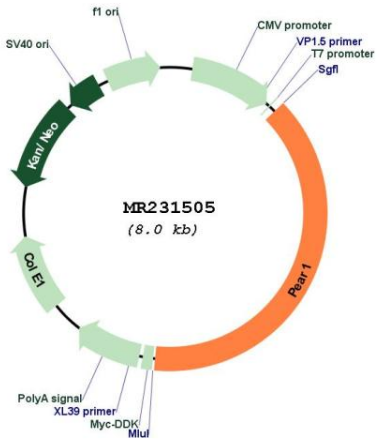
UniProt ID: Q8VIK5

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 MR231505