

Product datasheet for MR201282

0610007C21Rik (BC049637) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 0610007C21Rik (BC049637) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 0610007C21Rik
Synonyms: Apr3, p18, HSPC013
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR201282 representing BC049637
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCACCTGTGTCCGGGAGGCTAGATCTTCAGAACTGTTCCCTGAAGGATCCTGGTCCAACTTTTAC
 AGGCTTATACTGCTATTATCATAGACCTTCAGGCAAATCCTCTCAAGGATGATTGGCCAACACCTCCG
 TGGTTTACTCAGCTGCAGACTCTGATACTACCACAAGATGTTCCCTGTCCTGGAGGTAGTAATGCCTGG
 GACAATGTTACTTCTTTCAAGGACAAGCAGATTTGCCAAGGGCAAAGGGACCTTTGCAATAGCACTGGAA
 GCCCAGAAATGTGTCCTGAGAACGGATCTTGTCATCTGACGGTCTGGTCTTTTGCAGTGCGTTTGTGC
 TGATGGTTTCCATGGATACAAGTGTATGAGGCAGGGCTCATTTTCACTGCTTATGTTCTTTGGGATTCTG
 GGATCCACCACGCTAGCCATCTCCATTTTACTTTGGGGAACCCAGCGCCGAAAGCCAAGGCTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201282 representing BC049637
 Red=Cloning site Green=Tags(s)

MHPVSGRLDLQNC SLKDPGPNFLQAYTAIIIDLQANPLKDDLANTFRGFTQLQLILPQDVPCPGGSNAW
 DNVTSFKDKQICQGQRDL CNSTGSPMCPENGSCASDGPGLLQVCADGFHGYKMRQGSFLLMFFGIL
 GSTTLAISILLWGTQRRKAKAS

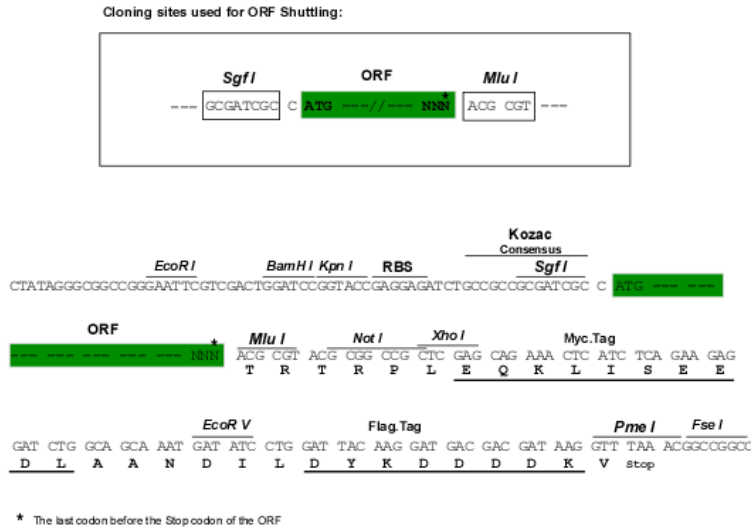
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

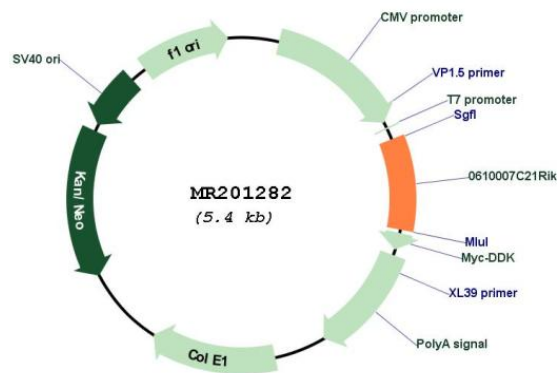


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Cloning Scheme:



Plasmid Map:



ACCN: BC049637

ORF Size: 486 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.

RefSeq: [BC049637.1](#)

RefSeq Size: 896 bp

RefSeq ORF: 488 bp

Locus ID: 381629

MW: 32.8 kDa

Gene Summary: Promotes osteoblast cell differentiation and terminal mineralization. Plays a role in inducing the cell cycle arrest via inhibiting CCND1 expression in all-trans-retinoic acid (ATRA) signal pathway (By similarity).[UniProtKB/Swiss-Prot Function]