

Product datasheet for MR202106

Pid1 (NM_001003948) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pid1 (NM_001003948) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pid1
Synonyms: 5033414K04Rik; NYGGF4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202106 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAAGTCTAAGTTGAATGTCCTAACACTGAAAAAGGAACCTATACCAGCAGTCCTCTTCCATGAGC
 CGGAAGCCATTGAGCTGTGCACCACCACCCCCTGATGAAGGCAAGGACTCATAGTGGCTGCAAGGTTAC
 CTATCTGGGAAAAGTCTCTACCACAGGCATGCAGTTTTGTCTGGTTGCACCGAGAAGCCAGTCATTGAG
 CTCTGGAAGAAACACACTGGCTCGAGAAGATGTTTTCCGGCCAACGCCCTCTAGAGATCCGGCCAT
 TCCAAGTGTGGTTCATCACCTTGACCACAAGGGTGAGGCAACAGTGCACATGGATACCTCCAGGTGGC
 TCGAATTGCCTACTGCACAGCTGACCACAACGTGAGCCCCAACATCTTCGCCTGGGTGTACAGAGAGATC
 AATGATGACCTCTTTACCAGATGGACTGCCATGCAGTGAATGTGAGAGCAAGCTGGAGGCCAAGAAGC
 TGGCACACGCCATGATGGAGGCATTCAAGAAGACTTTCCACAGTATGAAGAGTGTGGGCGGATCCATAG
 GAGCAGCTCATCTGAAGAGGCTTCCCAGGAATTGGAATCTGATGATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202106 protein sequence
 Red=Cloning site Green=Tags(s)

MLKSKLNVLTLLKKEIPAVLFHEPEAIELCTTTPMKARTHSGCKVTVLTKVSTTGMQFLSGCTEKPVIE
 LWKKHTLAREDFPANALLEIRPFQVWLHLDHKGEATVHMDTFQVARIAYCTADHNVSPNIFAWVYREI
 NDDL SYQMDCHAVQCESKLEAKKLAHAMMEAFKKTFFHSMKSDGRIHRSSSSEEASQELESDDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001003948

ORF Size: 612 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_001003948.1](#), [NP_001003948.1](#)

RefSeq Size: 2667 bp

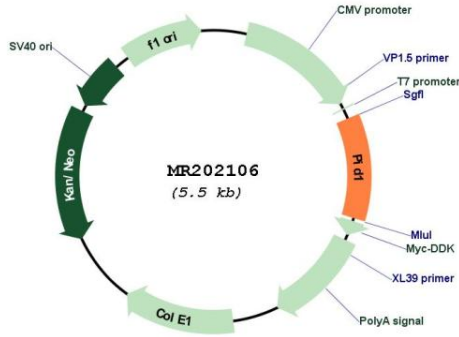
RefSeq ORF: 654 bp

Locus ID: 98496

UniProt ID: [Q3UBG2](#)

Cytogenetics: 1 C5
MW: 23 kDa
Gene Summary: Increases proliferation of preadipocytes without affecting adipocytic differentiation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202106