

Product datasheet for **MG217047**

Pdpr (NM_198308) Mouse Tagged ORF Clone

Product data:

| | |
|----------------------------------|------------------------------------|
| Product Type: | Expression Plasmids |
| Tag: | TurboGFP |
| Symbol: | Pdpr |
| Synonyms: | 4930402E16Rik; AU018056; mKIAA1990 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



ORF Nucleotide Sequence: >MG217047 representing NM_198308
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTACCGGTTGCTCTCTATTGTGCAAAGACAAAGGACTAGCCCAGGATGGCAGACCTGGTCATCAG
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ATTGACATTGCAGGACATCGGTTTCAGGCCAAGGCCAAGCTCTACCTGTACCTCTTTTTCACCTCACA
AGCGTAGAAAAGGACGATGTGGAGCTGAGCGACTTCATGGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217047 representing NM_198308

Red=Cloning site Green=Tags(s)

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MLYRLLSIVQRQRTSPGWQTWSSARSSTSTAEAHSIALPAQAQVVICGGGIMGTSVAYHLSKMGWQDIVL
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RINSRLNVVGIPSEIISPKKVAELHPLLNVHDLVGAMYVPEDAVVSSADVALALASAASQNGVQIYDRTS
VLHVLIKKKQVTVGVEDKQIECQYFVNCAGQWAYELGLSNEEPLSIPLHACEHFYLLTRPWDTPLQSNT
PTIYVDADGRIYIRNWQGGILSGGFEKNPKPIFTEGKNQLEIQNLRDWDHFEPLLSSLLRRMPALETLEI
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ALQSSRTFLRHRVMEVMP LIYDLKVPWRDFQTGRQLRTSPLYDRLDAQGARWMEKHGFERPKYFVPPNKD
LLALEQSKTFYKPDWFDIVESEVKCKEAVCVIDMSSF TKFEITSTGDEALESLOQLFCNDLDVPVGHIV
HTGMLNEYGGYENDCSIARLTKRSFFMISPTDQQVHCWAWLNKYLPKDSNLLLEDVTWKYTALNLIGPRA
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IRNAGYYALRSLRIEKFFAFWGQDLNLTTPLECGGESRVKLEKGIDF IGRDALLQQKQTVGYKRLAMFI
LDDHDTDLDPWWGEP IYRNGKYAGKTTSSAYSYTLE RHVCLGYVHNFSEDSGEEQVVTDFINRGEYE
IDIAGHRFQAKAKLYPVTSFFTHKRRKDDVELSDFHGK
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_198308.1](#), [NP_938050.1](#)

RefSeq Size: 2904 bp

RefSeq ORF: 2637 bp

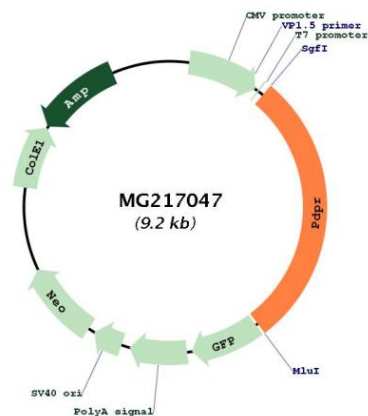
Locus ID: 319518

UniProt ID: [Q7TSQ8](#)

Cytogenetics: 8 E1

Gene Summary: Decreases the sensitivity of PDP1 to magnesium ions, and this inhibition is reversed by the polyamine spermine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG217047