

Product datasheet for **RR201231**

Pawr (NM_033485) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pawr (NM_033485) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pawr
Synonyms:	Par-4; Par4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR201231 representing NM_033485 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCGCGGCTATCGGAGCAGCGGCAGCACCCAGGACTTCTGGAGGAGTGGAAAGCGAAGCGCG
AGAAGATGCGCGCAAGCAGAACCCCGTGGGCCGGGTTCGAGCGCGGGATCCAGCCGCAAGTCCCC
TGCGGGACCGCTCGCCAGACTACGGCCGCGGGACCTCGGAACCAACCAGGCCCGCCGGCGCGGCC
GCACCTGCGCCCCGGCCGGGCGCCCTGAATGCGCTCACGGCTCGTCCGCGCTGCCCGCGGGGCTC
CCGGCTCCGGCGCGCGGAGGACGAGTGTCTATTGCCGCTGGGGCCGCGGGAGCACCCGCTCCGGGG
AGACGAGGAGGAGCCGGATAGCGCCCCGAGAAGGGCCGAGCTCGGGGCCAGCGCCAGGAAAGGCAAA
GGGAGATCGAGAAGAGGAAGCTGCGGGAGAAGCGCCGCTCCACCGCGTGGTCAACATCCCCGCGCGG
AGTGCTTAGATGAGTACGAAGATGACGAAGCAGGACAGAAGGAACGGAAGCGAGAGGATGCTATCACACA
GCAGAACACCATCCAGAATGAAGCTGCGAGCCTCCAGATCCAGGAACCTCTACCTGCCCCAGGACCCG
TCGAGAACAGTCCCAGGCAGATACAAAAGCACAATCAGTGCCCCAGAAGAAGAAATCTTAAATAGATATC
CCGAACAGATAGAAGTGGCTTCAGTAGACACAACAGAGATACCAGTGCCTGCTAACTTCGCTTCAAG
TAGCACCTTGAAAAGAGAATTGAAGATCTTGAGAAGGAAGTCTTGAGAGAAAGGCAAGAAAACCTCGA
CTTACGAGGCTGATGCAAGATAAAGAAGAAATGATTGAAAACCTCAAGGAAGAGATTGATTTGTTAAATA
GAGACCTCGATGACATGGAAGACGAAAACGAGCAACTAAAGCAGGAAAATAAAACCTTTTTGAAAGTTGT
TGGCAGCTGACAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201231 representing NM_033485
Red=Cloning site Green=Tags(s)

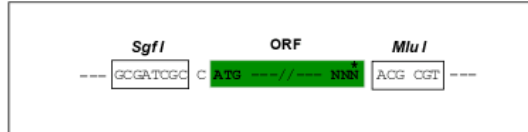
MATGGYRSSGSTDFLEEWKAKREKMRKQNPVPGSSGGDPAKSPAGPLAQTAAAGTSELNHGPAGAA
 APAAPGPGALNCAHGSSALPRGAPGSRPEDECPAAAGAAGAPASRGDEEEDSAPEKGRSSGSPARKGK
 GQIEKRKLREKRRSTGVVNIPAAECLDEYEDDEAGQKERKREDAITQNTIQNEAASLPDPGTSYLPQDP
 SRTVPGRYKSTISAPEEEILNRYPRTRDRSGFSRHNDRDTSAPANFASSTLEKRIEDLEKEVLRERQENLR
 LTRLMQDKEEMIGKLEEDLLNRDLDDMEDENEQLKQENKTLKVVVQQLTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_033485

ORF Size: 996 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_033485.2](#), [NP_277020.1](#)

RefSeq Size: 2122 bp

RefSeq ORF: 999 bp

Locus ID: 64513

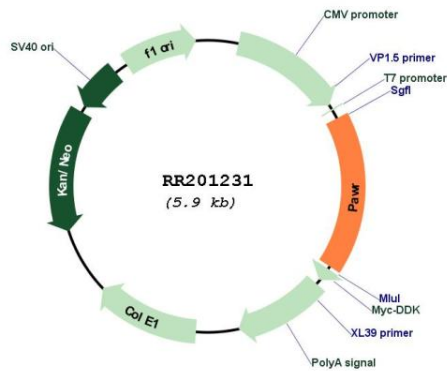
UniProt ID: [Q62627](#)

Cytogenetics: 7q21

MW: 35.9 kDa

Gene Summary: expression is induced by apoptosis effector ionomycin; may play a role in apoptosis [RGD, Feb 2006]

Product images:



Circular map for RR201231