

Product datasheet for RR217447

Pdzrn3 (NM_001271251) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pdzrn3 (NM_001271251) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pdzrn3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217447 representing NM_001271251
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGGTTTCGAGTTGGACCGCTTCGACGGTGAAGTGGACCCTGATCTGAAGTGCGCCCTGTGCCACAAGG
TACTGGAGGACCCGCTGACCACCCCGTGCGCCACGTATTCTGTGCCGGCTGTGTGCTGCCTTGGTAGT
GCAGGAGGCAGCTGCCCTCGCGTTGTCCGGTGCCTATCGGCCAAGGAGCTCAACCAGTCCCTCCA
CTCAAGCGTCTCATCCTCAAGTTGGACATCAAGTGCGCACGCGGCACGGGGCTGCGGCCGGGTGGTCA
AGTTGCAGGACTTGCAGGACCTGGAGCGCTGTGACTTCGCGCCCGCGCTGCCGCCACGGGGCTG
CGGCCAGCTGCTGCTGCGACGCGACGTGGAGGCCACATGCGCGACGCTGCGATGCGCGGCCCGTGGT
CGCTGCCAGGAGGGCTGCGGGCTGCCGCTGACTCACGGAGAGCAGCGGGCGGGCGCCACTGTTGCGCGC
GGGCTTTCGGGGCGACAACGGCGCGTGCAGGCCCGCTGGGCGCGCTGCACAAGGCGCTCAAGAAGGA
GGCGCTGCGGGTGGCAAGCGGGAGAAGTCGTTGGTGGCGCAGCTGGCCCGCGCAGCTCGAAGTGCAG
ATGACCGCACTGCGCTACCAGAAGAAGTTCACCGAGTACAGCGCGCCCTCGACTCGCTCAGCCGCTGCC
TGGCCCGCCCGCAGGCCGCAAGGGTGAAGAGACCAAAAGTGTGACTCTTGTCTGCATCGGGACTTGG
CTCCCTGGGATCAATATCATTGGTGGCCGGCCCTGTGTGGACAATCAAGATGGATCCTCCAGTGAAGGA
ATCTTTGTATCCAAAATAGTTGACAGCGGGCTGCAGCCAAGGAAGGAGGCTGCAAATTCATGACAGGA
TTATTGAGGTCAACGGCAAAGACTTATCCCGGGCAACTCATGACCAGGCTGTGGAAGCTTCAAGACAGC
CAAGGAGCCCATCGTGGTGCAGGTGTTGAGGAGAACACCGCAACCAAGATGTTACGCCTGCCTCAGAG
TCGAGCTGGTAGACACAGGCACCCAAACCGACATCACCTTTGAGCACATCATGGCCCTGACAAAGATAT
CTTCTCCAGCCCGCCGTGCTGGTCCCTACCTGCTGCCTGAAGAGCACCCCTCATCCCATGAATACTA
TGATCCGAATGACTACATGGGGGACATCCACCAGGACATGGACAGGGAAGAGCTGGAGCTGGAGGAAGTG
GGCCTTACAGGATGAACAGCCAGGACAAGCTGGCCCTCACCGTGTGCTACCGGACAGATGACGAAGAGC
ACATTGGCATTATATAAGTGAGATTGACCTAACAGCATTGCGGCCAAGGATGGACGGATCCCGTGAAGG
AGACCGCATCATCCAGATTAATGGCATAGAAGTTCAGAACCCTGAAGAGGCGTGGCTCTTCTAACCAGT
GAAGAAAATAAGAACTTTTCACTGTTGATCGCAAGGCCTGAGCTCCAGCTGGATGAGGGCTGGATGGATG
ATGACAGGAATGACTTTCTGGATGATTTGCACATGGATATGCTCGAGGAACAGCATCACCGCCATGCA
GTTACAGCCAGTGTGCTGCAGCAGAAGAAGCATGAGGAAGACGGTGAACCACAGACACAGCCACCATC



[View online »](#)

TTATCCAACCAGCACGAGAAAGACAGTGGTGTGGGGCGAACAGATGAGAGCACCCGCAATGATGAGAGCT
 CGGAACAGGAGAAATAACGGCGAAGATGCCACAGCATCCTCCAACCCGCTGGCGGGT CAGAGGAAACTGAC
 CTGTAGCCAGGACACCCTGGGCAGTGGCGACCTGCCTTTCAGCAACGAGTCTTTCATCTCGGCAGACTGT
 ACGGATGTGGACTACCTGGGCATCCCAGAGGATGAGTGTGAGCGTTTTTCGCGAGCTCTTGGAGCTCAAGT
 GCCAGGTACAGAGCACCAGCCCCACAGCCTGTACTACCCCAACAGCCCGCTGGATGCTGCTGGCAAGGG
 TGATCCCAGAGTGTGGACAAGGAGCTGGAGCTACTCAATGAGGAGTTGCGTAGCATCGAGCTGGAGTGC
 CTGAGCATCGTGGCGCGCACAAAGATGCAGCAGCTCAAGGAGCAGTACCGCGAGTCTGGATGCTGCACC
 ACAGTGGCTTCCGCAACTACAACACCAGCGTGGACGTGGCCGCCATGAGCTCTCGGACATCACTGAGCT
 GCCGAAAAGTCAGACAAGGATAGTTCAAGCGCCTACAACACTGGGGAGAGCTGCAGGAGTACCCCACTC
 ACCCTGGAGATCTCTCCGGACAACCTCCCTGCGGAGAGTGGCCGAGGGCAGTAGTGAAGGGGCCACAGCTA
 ACATGGAAGCTTACAGGCCATCCCCAAGAATCTGCTTGCCATCACTGAGGATCCCGAAGTAAGCACCCC
 AAATAACAACCTGGCGCAAAGAGCTGGACCCAGCCAGGCTTTGGAGATCAAAGAGCGCCGAGTTAGC
 GATGGCAGCAGGAGCCCCACCGCCAGCCCAAGCTGGGCAGCGCCTACCTGCCGTACATACCATCACTCCC
 CATACAAACACGCGCACATCCCAGCTCAGCGCAACACTACCAGAGCTACATGCACCTGATCCAGCAGAA
 GTCAGCAGTGGAGTACGCACAGAGCCAGATGAGCCTGGTGAAGTGTGCAAGGACTTGAAGTCTTCTAAC
 TCAGCAGAACCCAGGATGGAATGGAAAGTGAAGATCCCGAGTGTGGGACGCGCTACATACCAAGAGGC
 CGGTACGTGACCGGCTGCTGCGGGAGCGGGCGTGAAGATCCCGAGGAGCGCAGTGGCCTGACCACCGA
 TGATGACGCCATGAGCGAGATGAAGATGGGGCGTTACTGGAGCAAGGAGGAGCGCAAGCAACATCTGGT
 AAGGCCAAGAGCAGAGGCGGAGGCGGAGTTCATGATGCAGAGCAGGCTGGATTGTCTGAAGGAGCAGC
 AGGCTCCGACGACAGGAAGGAGATGAACATCTGGAAGTGAAGCAGCAAAAAGATGATGAAGAAGAGGAA
 CAAAAGATCTTTGACAATTGGATGACTATCCAAGAATCTTAACCCATGGCACAAAATCGCCAGATGGC
 ACTAGGTATACAATTCTTCTGTCGGTGACTACTGTA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217447 representing NM_001271251
 Red=Cloning site Green=Tags(s)

MGFELDRFDGEVDPDLKCALCHKVLEDPLTPCGHVFCAGCVLPWVVEGSCPSRRCGRLSAKELNHVLP
 LKRLILKLDIKCAHAARGCGRVVKLQDLPEHLERCDFAPARCRHAGCGQLLLRRDVEAHMRDADARPVG
 RCQEGCGLPLTHGEQRAGGHCCARALAHNGALQARLGALHKALKKEALRAGKREKSLVAQLAAAQLELQ
 MTALRYQKKFTEYSARLDSLRCVAAPPGGKGEETKSVTLVLRHDSGSLGFNIIGGRPCVDNQDGSSE
 IFVSKIIVDSGPAAKEGGLQIHDRIIEVNGKDLSRATHDQAVEAFKTAKEPIVVQVLRRTPRTKMFTPASE
 SQLVDTGTQTDITFEHIMALTKISSPPVLPYLLPEEHPSSHEYYDPNDYMGDIHQDMDRELELEEV
 GLYRMNSQDKLGLTVCYRTDDEDDIGIYI SEIDPNSIAAKDGRIREGDRIIQINGIEVQNREEAVALLTS
 EENKNFSLLIARPELQLDEGWMDDDRNDFLDDLHMDMLEEQHHQAMQFTASVLQKKHEEDGGTTDTATI
 LSNQHEKDSGVGRTRDESTRNDESSEQENNGEDATASSNPLAGQRKLTCSQDTLGSGLPFSNESFISADC
 TDVDYLGIPEDECERFRELLELKCQVQSTSPYSLYYPNSPLDAAGKGDPEVSDKELELNEELRSIELEC
 LSIVRAHKMQQLKEQYRESWMLHHSGRFRNYNTSVDVRRHELSDITELPEKSDKSSSAYNTGESCRSTPL
 TLEISPDNSLRRVAEGSSEGATANMEAYRSPKNLLAITEDPEVSTPNYNPGAKELDPSQALEIKERRVS
 DGRSPTASPKLGSAYLPSYHSPYKHAHIPAHAHQYQSYMHLIQKSAVEYAQSQMSLVSMCKDLNSSN
 SAEPMEWKVIRSDGTRYITKRPVDRLLRERALKIREERSGLTTDDAMSEMKGRYWSKEERKQHLV
 KAKEQRRRRRFMMQSRDLCKEQQASDDRKEMNILEL SHKMMKRNKIFDNWMTIQELLTHGTSKSPDG
 TRVYNSFLSVTTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

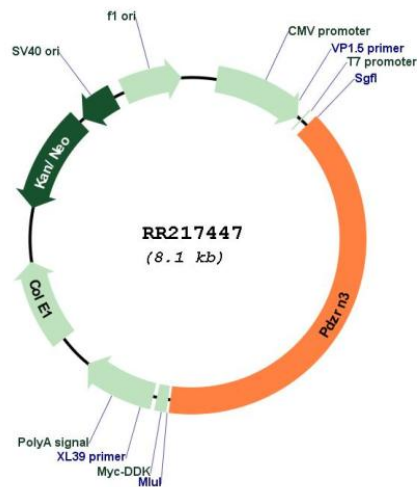
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001271251

ORF Size:

3189 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:	<ol style="list-style-type: none">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:	<u>NM_001271251.1, NP_001258180.1</u>
RefSeq Size:	4109 bp
RefSeq ORF:	3192 bp
Locus ID:	312607
Cytogenetics:	4q34
MW:	119.4 kDa