OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC231482

PRR36 (NM_001190467) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PRR36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC231482 representing NM_001190467
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAACAAGAGAGACAAGGCGAAGGCAGGGGCCGCCGCGCGGACGCCGGCTGCTCGCGCTCCTGGAC
TTCTGACCCCCAGGCCCCCAGGCTCTCCTCGACCCCCTCCCCCAGTAACTCCCGCAGCCCTCCGAGTTCT
GGGAGCTGCGGGAGCAGTGGGGCGAAAGCCTCTGGCAGAGCGAGCGGGGGGCATCGGCGGGGCCACTATT
CCCGAGTCTGCTCCCCGAGCGGGACCAACGCGGAGTGCTGGGACAAGTTCCCGAAACCCTGCCTCCAGGC
CCCCAGCCTCTGGGAGAGGGGAGAGAGCTCCTCCTGCCAAGAACACCAGCCCAGGCCCTGTTTCTAGCCC
AGGGCGTGCCAGCGGGACCACCAGGCCAGGCCCTCTTGGCCAGAAGGGACTCCGGATCTCAGCGGAGGAA
ACTGTGGCCAGAGGAAAAGCTACAGAGGCTCCCAAAAGGAGTGCCCTCAGCGCTGGGGCACGGAGAGACA
CTTCCGGGCCTACCCCAGGAACCCCGTCCCCGGCCATGGCCCGTCGGTCCCGGGCTGCGGGCACCGAGGT
GGGGCTCCCCCGGCCAGCTCCGAGTGCCCGGCCACGGCCCCCGACAGAGGGCCCCCGGAAATCAGTGAGC
AGCGCCTCGGAGCACAGTACCACCGAGCCAAGCCCGGCTGCCAGGAGGCGGCCCAGCGCCGGTGGGGGTC
TCCAGAGGCCGGCCTCGCGCTCCCTGAGCTCCAGCGCCACCCCTCTCTCCTCCCCAGCCCGTTCTGGGCC
CTCAGCCCGCGGAACACCCAGGGCTCCTGCGCATCCCTCGCAGCCCAAGCCGAAAGGACTGCAGGCTCTG
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TCCACCCACACAGCTGATTATGTCCTTTCCAGAAGCAGGCGTCTCTTCCCTGGCCACAGCCGCTTTTGTG
GCTTCAGTCTCTCCATCAGTTTCATCCCCTCTGCAGAGTATGCCCCCCACCCAAGCTAATCCAGCGTTGC
CCTCTCTTCCGACTCTCCTCTCTCCCTTGGCCACACCTCCTCTGTCAGCCATGTCTCCTCTACAAGGCCC
TGTTTCTCCGGCAACATCTCTGGGGAATTCGGCTTTTCCCCTGGCCGCACTCCCTCAGCCAGGCCTTTCT
GCTCTGACCACGCCCCCTCCGCAGGCCAGTCCTTCCCCGTCTCCGCCCTCTCTCCAGGCCACGCCCCACA
CTCTGGCCACTCTTCCTCTGCAGGACTCTCCTCTTCTGGCCACATTGCCTCTGCAGGCCTCTCCCTCTCC
TTTGACCACAGTCTCTCTGCAGGATCCTCCTCTAGTTTCTCCCTCTCTTTTGGCCTCACCGCCTCTGCAG

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GCTCCGCCCCACCCACAGGCCCCACCTTCTATGACTACGCCCCCTATGCAGGCCCCGCCCTCTCTCCAGA
CCATTCCCCCAATACAGGTCCCACATTCTCTGACCTCACCGTCTCTGCAGGCACCTCCCTCTCCTCTGGC
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CTGAGCCGGACGCTGCTGCTGGCGGCTGCCGAGGGTGCCGCGGGCGGCAGCGGCGGGGGCCCAGGAGGTG
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ACTACTGTCTCCCCTGGACGAGTCCCGTGCCAGCATCACCTCGGTCACCAGCTTCTCTCCGGACGACGTG
GCCTCCCCGCAGGGTGACTGGACCGTGGTGGAGGTGGAGACCTTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231482 representing NM_001190467
Red=Cloning site Green=Tags(s)

MDNKRDKAKAGAAARTPAARAPGLLTPRPPGSPRPPPPVTPAALRVLGAAGAVGRKPLAERAGGIGGATI
PESAPRAGPTRSAGTSSRNPASRPPASGRGERAPPAKNTSPGPVSSPGRASGTTRPGPLGQKGLRISAEE
TVARGKATEAPKRSALSAGARRDTSGPTPGTPSPAMARRSRAAGTEVGLPRPAPSARPRPPTEGPRKSVS
SASEHSTTEPSPAARRRPSAGGGLQRPASRSLSSSATPLSSPARSGPSARGTPRAPAHPSQPKPKGLQAL
RPPQVTPPRKDAAPALGPLSSSPLATPSPSGTKARPVPPPDNAATPLPATLPPSPPVTPPPPAALQSQAP
PTLPATPHSSSLTCQLATPLPLAPPSPSAPPSLQTLPSPPATPPSQVPPTQLIMSFPEAGVSSLATAAFV
ASVSPSVSSPLQSMPPTQANPALPSLPTLLSPLATPPLSAMSPLQGPVSPATSLGNSAFPLAALPQPGLS
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APPHPQAPPSMTTPPMQAPPSLQTIPPIQVPHSLTSPSLQAPPSPLALSSLQATTSLGSPTLQATHSFLT
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APLSSLIMPPLETQSSLAPPSLQTPPASLTTPPLENLPSLAPPPLQTASAPLTTPPLENLPSLAPPPLQT
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PQAPPALALPPLQAPPSPPASPPLSPLATPSPQAPNALAVHLLQAPFSPPPSPPVQAPFSPPASPPVSPS
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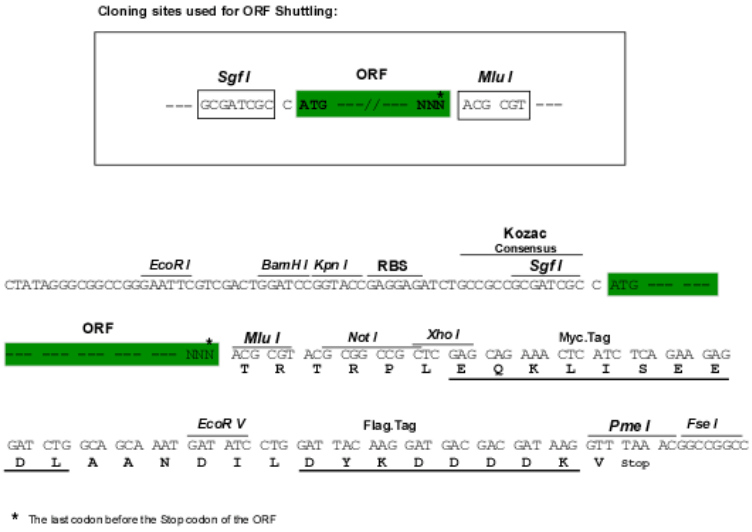
PLLAAPPLQVPPSPPASLPMSPLAKPPPQAPPALATPPLQALPSPPASFPGQAPFSPSASLPMSPLATPP
PQAPPVLAAPLLQVPPSPPASPTLQAPRRPPTPGPDTSVSGPRLTLALAPGPPPPPSRSPSSTLSGPDLA
GHSSSATSTPEELRGYDSGPEGGAAASPPPDAELAACHPAAWSRGPAPPLAFRGAPGAPLPWPPATGPGS
ADGLCTIYETEGPESATPAPGALDPGPSPGTSGGKAAAGAGAGASSRSPKQARLGELPLGALQASVVQHL
LSRTLLLAAAEGAAGGSGGGPGGAEGGGVTGGARAALSDAELGRWAELLSPLDESRASITSVTSFSPDDV
ASPQGDWTVVEVETFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8107_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190467

ORF Size: 4038 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

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

RefSeq: NM_001190467.2

RefSeq ORF: 4041 bp

Locus ID: 80164

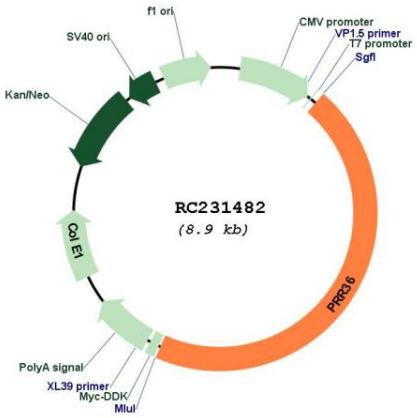
UniProt ID: Q9H6K5

Cytogenetics: 19p13.2

MW: 133.2 kDa

Gene Summary: This gene encodes a large protein of unknown function that contains internal regions of low complexity sequence. Alternative splicing results in multiple transcript variants. The transcript structure of the protein-coding variant at this locus is conserved between human and mouse. [provided by RefSeq, Oct 2013]

Product images:



Circular map for RC231482