

Product datasheet for RC201936

PNRC1 (NM_006813) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PNRC1 (NM_006813) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PNRC1
Synonyms:	B4-2; PNAS-145; PROL2; PRR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201936 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGTCGTCTCCGTCCCGCAGCGGGAGCCGCTCGTCTGGGTGGCCGCTTGCGCCGCTTGGCTTTT
CCTCCCGAGGTTACTTTGGGGCCCTCCCGATGGTGACCACGGCTCCGCCTCCTTTACCCCGGATCCCGGA
CCCCGGGCACTGCCCGACCTCTTCTCCCTCATTTCCTAGGGGAGATGGCCCGTGTCTGACCCCG
CAGCCTCGCGCTCCAGCAGCTCTGCCAACCGCAGCCTCGCCGTGGCGGGAGGCACTCCTCGGGCAGCGC
CGAAGAAGCGGCGAAAGAAGAAGGTGCGGGCCAGCCCGCAGGGCAGCTGCCAGCCGCTTCCACCAGTA
CCAGCAGCACCGCCGAGTCTGGAGGGCGCCGAGCCCGCAGCCGCGAGCGGAGCGCAGGAGGTC
CCGGGCCCGCCGCCCTTGGCCCCGAGTCTGACGCCGAGCCGCGACGGAGGGAGCCAGCCCGACC
TTGCCCGCTGCGGCCCGCGGCTCCCGGCCAAACCCCTCAGGAAAGAGGTTTTAAATCAAAGATGGG
AAAATCGGAGAAAATTGCCCTTCCCAATGGCCAGCTTGTTCATGGTATACACTTGTATGAGCAACCAAAG
ATAAACAGACAGAAAAGCAAATAAAGTGGCCACTAACCAAGATCACCTCTGCAAAAAGAAATGAAAACA
ACTTTTGGCAGGATTCTGTTTCATCTGACAGAATTCAGAAGCAGGAAAAAAGCCTTTTAAAAATACCGA
GAACATTAATAATTCGCATTTGAAGAAATCAGCATTCTAACTGAAGTGAAGCAAAAAGGAAAATATGCT
GGGGCAAAGTTTAGTGATCCACCTTCTCCTAGTGTTCTTCAAAGCCTCCTAGTCACTGGATGGGAAGCA
CTGTTGAAAATTCACCAAAAACAGGGAGCTGATGGCAGTACACTTAAAAACGCTCCTCAAAGTTCAAAC
T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC201936 protein sequence
Red=Cloning site Green=Tags(s)

MTVVSVPQREPLVLGGRLAPLGFSSRGYFGALPMVTTAPPPLPRIPDPRALPPTLFLPHFLGGDGPCLTP
 QPRAPAALPNRSLAVAGGTPRAAPKRRRKKVVRASPAGQLPSRFHQYQQHRPSLEGRSPATGPSGAQEV
 PGPAAAALAPSPAAAAGTEGASPDLAPLRPAAPGQTPLRKEVLKSKMGKSEKIALPHGQLVHGIHLYEQPK
 INRQKSKYNLPLTKITSAKRNENNFWQDSVSSDRIQKQEKKPFKNTENIKNSHLKKSFAFLTEVSQKENYA
 GAKFSDPPSPSVLPKPPSHWMGSTVENSQNRELMAVHLKTLLKVQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6851_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006813

ORF Size: 981 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_006813.3](#)

RefSeq Size: 2133 bp

RefSeq ORF: 984 bp

Locus ID: 10957

UniProt ID: [Q12796](#)

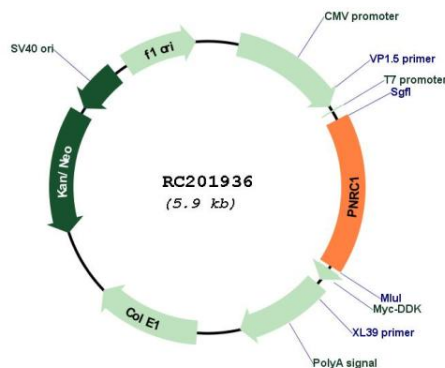
Cytogenetics: 6q15

Protein Families: Druggable Genome, Transcription Factors

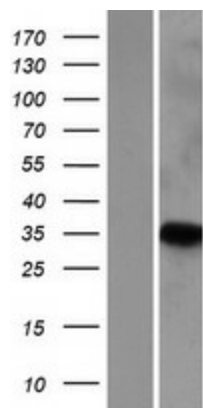
MW: 35.2 kDa

Gene Summary: Nuclear receptor coactivator. May play a role in signal transduction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC201936



Western blot validation of overexpression lysate (Cat# [LY416404]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201936 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).