

Product datasheet for MR213292

Pnrc1 (NM_001033225) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pnrc1 (NM_001033225) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pnrc1
Synonyms:	5730463C12Rik; B4-2; Prol2; PRR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213292 representing NM_001033225 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGACCGTCGTCTCCGTCCACAGCGAGATCTCGCTCTGAGCGGCCGCTTAGCGCCGCTCGGGTTCCTCG
GGGCCCTCCCGATGGTGAACCCGGCCCCCGCCCTTGC CGCGCCTTCCGGACCCGCGCGCTGCCACC
CACCTCTTCTGCCGCACTTCTCGGGGGGACGGCCGTGCCTGGCGCCCGCCTCGCACCACCGCG
CCGTCCGGCTGCACCTTGGCCCCGGCGGTGCCCGGGCGGGCCCAAGAAGCGCGGAAGAAAAAGG
TGGGGCCAGCCCGCCGGCAGCTGCCAGCCGCTTCCACCAGTCCAGCAGCACCGGCCGAGCCTGGA
GGTGGTTCGAGCCCGCCGGGCAATCGTCGCGCAGGAGGAGCGAGGTCTGGCGGCCACTGCCTG
CTCCACAGACAGCCCCACTCGCAAGGAGTTTTAAAAATCAAAGATGGGAAAAATCGGAGAAAAATGGCC
TCCCCACAGCCAGCTTGTGCATGGTATACACTTGTGTGAACAACCAAAGATAAACAGACAGAAAAGCAA
ATACAATTGCCACTAACCAAGATCACCTCTGCAAAAAGGAATGAAAGTGACTTTTGGCAGGATTCTGCT
TCCTCCGATCGAATGCAGAAGCAGGAAAAAAGTCTTTAAAAATACTGAGAACATTAAGTAACCATT
TGAAGAAATCAGCATTCTAACAGAAGTGAGCCAAAAGGAAAAATACGCCGAGCAAAGTTCAGTGACCC
ACCTTCCCCTAGTGTCTCCCAAAGCCTCCGAGTCACTGGATGGGAAGTACCGCCGAGAACCCAGCCAG
AGCCGGGAGCTGATGGCAGTGCCTTAAAAACGCTCCTCAAGGTGCAGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR213292 representing NM_001033225
Red=Cloning site Green=Tags(s)

MTVVSVPQRDLALSGRLAPLGFLGALPMVNPAPPPLPRLPDPRALPPTLFLPHFLGGDGPCLAPAPRTTA
 PSGCTLAPAAAPRAAPKRRRKKKVRASPAGQLPSRFHQFQHRPSLEGGSPAPGPIVAQEERGLAATAL
 LHRQPPLAKEVLKSKMGKSEKIALPHSQLVHGIHLCEQPKINRQKSKYINLPLTKITSAKRNESDFWQDSA
 SSDRMQKQEKKSFKNTEINIKSNHLKKSFAFLTEVSQKENYAGAKFSDPPSPSVLPKPPSHWMGSTAENPSQ
 SRELMAVHLKTLKLVQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9091_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033225

ORF Size: 891 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_001033225.2](#), [NP_001028397.2](#)

RefSeq Size: 1940 bp

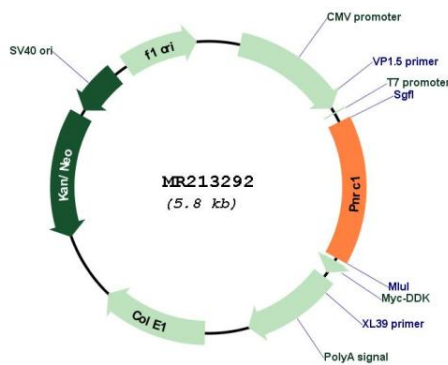
RefSeq ORF: 894 bp

Locus ID: 108767

Cytogenetics: 4 A5

MW: 32.3 kDa

Product images:



Circular map for MR213292