

Product datasheet for **MR207250**

Prr14l (NM_194340) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prr14l (NM_194340) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prr14l
Synonyms:	6030436E02Rik; C330019G07Rik; Prl14l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR207250 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAGTTCATAGATTTGAGCAACAAGATGCCATCACTGCTGTTTGGTACGGAACGTCCTATTTCTCT
 TTCATGTGAAATCAGTGTCCAGCTGCATGGCTGAGTCCTCCAGGACTTTCTCTGAGCACTGCGCTCCATC
 GAGGCTTGCCTTAACAGAGGCTCCAGTGCTCAGCTCCAGCTCCCAAGTGGACCTTCTCTTTTTCTTG
 TCCCATGGTTGCCCTGGGATGGCCACATTCAGGGAAGACACTGGCCTCAGTAGTCAGACACACACTCAGG
 CTCCTCTCCAAGAATATGGAGGCACTGCCATAGTTCAGACCAGGGCAGACCGCTCTGGCCTTGGCCTTCA
 CACACTTCTAGCACTTTGTTACCCGGATGTTACCGAATCTGGACAAAAGACGGAACCTTCTCCAGTAAT
 ATGCCTATCATGCAGAGGCTCTTCTGACCCAGTTTACACAGGGCCTAAAAGGGTTAAGGTCTCCAGCCT
 CTATAGCAGATAAGGTCTTCTGTTCTCTGCCCTACTCGGTGGGCCGGGTGTTGCCCTTTGGAGCCAGCA
 CGGGCCCTCTGTACCTCAAATTGCCAGCTCTTATTCCACCCCTAGCAAGCAGCAGGGGAGCCTGAAC
 GCCCTGAGCAGCCACACCACCATACCAATGTGCCTCTTCCAGGCATGGGAGCTGCCACACCACCAACA
 GCAGTCACCTGAGGCTAGAGCCTGTGTTTCTGCCTTGGTGCCAAAGTCTTGCTTGGTAACAGAAGCCGC
 TGTGAGCACACTGCTGCTCTCTGCCTCTGAGCTCGCAGTTCTGGCTGTGATGAGCTGGATGGTGTGTCA
 GCAGCCTGCCCCCGACCAGAGCAGCCCTGCACAGCAGAAAGAGGCTGAGCCAGAGAAGAGACCAAGA
 AAGTCTCACAGATCCGCATCCGGAACCATTCCTAAACCAGATCCCAACCTTACCCCAATGGGCTGCC
 TCGGCCAAAAGGTTAAGAAGAAGGAGTTAGTTAGAGGAAATCTATACAAACAAGAATTACAAGTCT
 CCTCTGCGAGCAGGTGTTTAGAGACCATCTTTGAGGAACCCAAAGAACGAAATGGTACCCTGATCTCTA
 TCAGCCAGCAGAAAAGGAAGCGTGTCTGGAATTCAGGATTTTACCGTCCCTCGAAAGAGACGAGCTCG
 AGGTAAGGTGAAGCTGGCCGGCAGCTTACCAGGGCCAGAAAGCGGCTCTGCAGACTCAGGAGCTGGAC
 GCTCTTCTGATTAGAAGCTGATGGAAGTGGAGACGTTCTTTGCCAAGGAGGGGAGCAGGAGCATCAGC
 CAGCTGCTGAGAACAGTTCGGGGTCTCCACTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207250 protein sequence
 Red=Cloning site Green=Tags(s)

MSFIDLSNMPSLLFGTENVPFSFHVKSVSSCMAESSRTFPEHCAPSRLALTEASQCSAPAPKWTFSFFL
 SHGCPGMATFREDTGLSSQTHQAPLQEYGGTAIVQTRADRSGLGLHTLLALCSPGCIYRIWTKRRNFSSN
 MPIMQRLFLTQFTQGLKLRSPASIAADKVFCSLPYSVGRVLSLWSQHGPSCTFKLPALHSTPSKQQGSNL
 ALSSHTTIPNVPLPGMGAHTTNSHLRLEPVFPALVPKSCLVTEAAVSTLLLSASELAVPGCDELGV
 AACPRPQSSPAQQKEAEPEKRPKKVSQIRIRKTIKPKDPNLTPMGLPRPKRLKKKEFSLEEIYTNKNYKS
 PPASRCLETIFEKPKERNGLISISQQRKRVLEFQDFTVPRKRRARGKVKLGSFTRAQKAALQTQELD
 ALLIQKLMELETFFAKEGEQEHQPAEENS SGP

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_194340

ORF Size: 1362 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.

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

RefSeq: [NM_194340.2](#), [NP_919321.2](#)

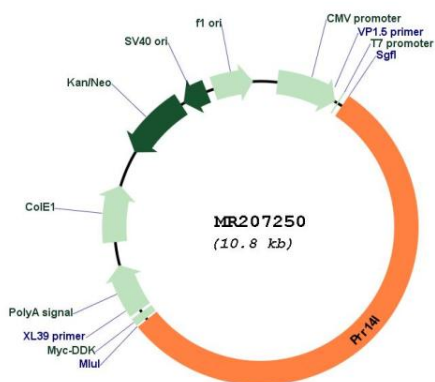
RefSeq Size: 10546 bp

RefSeq ORF: 5916 bp

Locus ID: 215476

Cytogenetics: 5 B1
MW: 49.9 kDa

Product images:



Circular map for MR207250