

Product datasheet for **SC321888**

PRR14 (NM_024031) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRR14 (NM_024031) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRR14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024031.2
 GACGCGAGGAGGGAAGGGGCGTCTGTGGGCGGGACCTCCCGGGATTGGAGTGAAGAGGGT
 ATCTGCTTGACAGTGGATCCCTGGGGATCTACGCTGAGTTCGGAGATGCTCCAGCTCGGG
 CCGCCCTGTCTGAGCGGAGCTTTGCGGCGCTGAAGCTTACAGGGGAAGGAAAAGCCTCG
 CCCGGCGTCTGATTGGCGGAACCGCGTCCCGCAGCCTGGGATCCCCAGGGACCCCCC
 GGAGCCGCCGCTCTCCATGGACTTCCCGGGGACTCCAGCCCGCTGGCCAGCCGCGT
 CTGTGCCGCCAGCCTCTGACTCGAGCATTATGGGAGCCAGGAGCCGAAACGGCCGAGG
 CTGCAGCTCCCGGGGCCCTTCTCCCCTGGAAAAGCCTCTCGGCGGGTCTGGCCGTG
 GTGCTAGAAGATGTCATGGCTGTTACATGGTCCCCGTGGTGCCCTCAAAGCAGACCTCC
 ATACCACAGCACACAGTACCATCAGGATCCTGTCCACAGGCAGCCGCTGCCTCGCCA
 CCCCAGGAGCCGGTGGTCTCGCAGGCCAGGCTCCCGACCTCTGTGTTTGTGTCG
 GAGCCCTTGAGCCGATCCACCGGACCTTCCACCTGAGGCGGCGATCAAGGACAACC
 CCTGGCCAGAGGAGGCCCTTCAAAAAGGTGGACGGGCCCCAGCCACCTGGT
 GTGATGCTGGAAGACATCGCCAGTCTAGACCCCGCTGAGGGTTCATTGATGAGACC
 CCCAATTCATCATCCCAGCACAAGAGCTGAGCCATGAGGATAGTTGCCAGCCAACG
 CCTCCACCTGGGACCTAGAACCCCATCCAGCCATCTGCTCTGCCTGCAGACCTCTG
 GAGAGCCACCAACAGCCCCAGATCCTGCTCTGGAGCTCCATCCACCCACCACCGTCC
 AGCCTTTTACGCCCCGCTCAGTCCCTGGGGCTTGGCCCGCTTCCGTTCCGTCCGC
 TCCAAGCTGGAGAGCTTTGCTGACATCTTCTCACGCCCAACAAAACCCACAGCCCCA
 CCCCCGTCCCCCAATGAAGCTGGAGTTGAAGATCGCCATCTCAGAGGCCGAGCAGTCT
 GGGGCTGCTGAGGGCACTGCGTCTGTGAGCCCCGGCCCCCAATCCGCCAGTGGGAACT
 CAGGACCACAATACCCAGCACTTCTCCCTAAGCCCTCTCTGGCCGAAGCTACTCTGC
 CCTGATCTGGGGCCCCCTGGCCAGGTACCTGCACCTGGCCACCTGCTCCACCCCAACCA
 AGCCGACCACGGCCGCGCGCACACTGTGGGTGGTGGGAAATGGCCCGAGCCCGCCA
 CCCCCTCGGCCCTGTCTCCGAAAGAGGTCTTCCCTCTCGGAGGAGTGGGAGCCTCCCCT
 TCTCTACCACATCTTGCTCGTCCACGGCATCCACTTCTTCTCCGAACCAGCAGAACC
 AGGTTGGGTTCAACAAAGGGAAGGAGCCAAGAGCCTCAAAGGACCAGGTGCTTTCAGAA
 CCTGAGACCAAGACCATGGGAAAGGTTTCTCGATTGAGAATACGCAGAACACCAGCCGT
 CCTCAGCTAAACCTTACACCAATGGGACTGCCTCGACCAATCAGGTTGAACAAGAAGGAG
 TTCAGCTTGAAGAAATTTACACCAACAAGAATTACCAATCACCCACAACCAGGAGGACC
 TTTGAGACCATCTTTGAGGAACCCGGGAGCGCAATGGGACTCTGATTTTACCAGCTCA
 AGGAAGCTCCGGCGGGCTGTGGAATTTCCGGACAGCAGCCTTCTCGATCACGAAGACCG
 TCCCGTGGGGTCCGGGCTGCAGGGGGCAGGACTGTTCTCCCAATGTGGCCCCAGCCCT
 GATGTGGGCCCTGCTCCAGCAGCGGCTGGAGGAGTAGATGCCTTGCTCCTGGAGGAA
 GAAACAGTAGATCGGGAGCAGCCCACTGGACCTAGGTGCCCCATCTGTTGGTATCCAT
 CCTGAAGGACAGGAAACCTCCCAGGCAGTTATTTTTTTTTCTCTATATTTCTAGTAAAG
 TTTTCGATATGTTTCTGAAA

Restriction Sites: Please inquire

ACCN: NM_024031

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_024031.2](#), [NP_076936.1](#)

RefSeq Size: 2154 bp

RefSeq ORF: 1758 bp

Locus ID: 78994

UniProt ID: [Q9BWN1](#)

Cytogenetics: 16p11.2

Gene Summary: The protein encoded by this gene tethers heterochromatin to the nuclear laminar scaffold by binding heterochromatin protein 1 (HP1) and the nuclear lamina. The tether is broken during mitosis and reforms quickly after mitosis, with the encoded protein first binding HP1 and then attaching to the nuclear lamina. This protein also has been shown to promote MyoD activity and skeletal myogenesis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Feb 2016]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.