

Product datasheet for **SC310356**

PRR5-ARHGAP8 (NM_181334) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRR5-ARHGAP8 (NM_181334) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRR5-ARHGAP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310356 representing NM_181334.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGACTCTCCGACAGTTGAAGTTCATGAGTTCGCCAGCCTCAGTGACCTGGCAAGAGAGAGCCG
GCCGCCGCGCGGACGAGCGGGGCACGCAGCAGCGCGGCCCTGCGCCAACGCCACCTGGAACAGCATC
CACAAACGGGGTATCGCCGTCTTCCAGCGCAAGGGGCTGCCCGACCAGGAGCTCTTCAGCCTCAACGAG
GGCGTCCGGCAGCTGTTGAAGACAGAGCTGGGGTCTTCTTACGGAGTACCTGCAGAACCAGCTGCTG
ACAAAAGGCATGGTGATCCTTCGGGACAAGATTCGCTTCTATGAGGAGCTGCAGAGAGACAAGGCGGCG
GCGGCTGCTGTGCTGGGTGCAGTGAGGAAGAGGCCCTCGTGGTGCCATGGCTGGCCAGGATCTGCG
CTGAGCACGAGTCACCCGTTCTACGACGTGGCCAGACATGGCATTCTGCAGGTGGCAGGGGATGACCGC
TTTGAAGACGTGTTGTACGTTACGCTGCTGCCGGATGCCACCCTCCCACGAGCTGGACCACGAGCGG
CTGCTGGAGTATTTGAAGTACACACTGGACCAATACGTTGAGAAGCATTATACCATCGTCTATTTCCAC
TACGGGCTGAACAGCCGGAACAAGCCTTCCCTGGGCTGGCTCCAGAGCGCATAACAAGGAGTTCGATAGG
AAGTACAAGAAGAACTTGAAGGCCCTCTACGTGGTGCACCCACCAGCTTCATCAAGGTCTGTGGAAC
ATCTTGAAGCCCCTCATCAGTCAACAAGTTTGGGAAGAAAGTCATCTATTTCAACTACCTGAGTGAGCTC
CACGAACACCTTAAATACGACCAGCTGGTTCATCCCTCCCGAAGTTTTGCGGTACGATGAGAAGCTCCAG
AGCCTGCACGAGGGCCGGACGCCGCTCCACCAAGACACCACCGCCGCGGCCCGCTGCCACACAG
CAGTTTGGCGTCACTGCAATACCTCAAAGACAAAAATCAAGGGCAACTCATCCCCCTGTGCTGAGG
TTCACAGTGACGTACCTGAGAGAGAAAGGCCTGCGCACCGAGGGCCTGTTCCGGAGATCCGCCAGCGTG
CAGACCGTCCCGGAGATCCAGAGGCTCTACAACCAAGGGAAGCCCGTGAACTTTGACGACTACGGGGAC
ATTCACATCCCTGCCGTGATCCTGAAGACCTTCTGCGAGAGCTGCCCCAGCCGTTCTGACCTTCCAG
GCCACGAGCAGATTCTCGGGATCACTGTGTGGAGAGCAGCCTGCGTGTCACTGGCTGCCGCCAGATC
TTACGGAGCCTCCAGAGCACAACCTACGTCGCTCCTCCGCTACCTCATGGGCTTCTGCATGCGGTGTCC
CGGGAGAGCATCTTCAACAAAATGAACAGCTCTAACCTGGCCTGTGTCTTCCGGGCTGAATTTGATCTGG
CCATCCAGGGGCTCTCCTCCCTGAGTGCCCTTGTGCCCTGAACATGTTCACTGAACTGCTGATCGAG
TACTATGAAAAGATCTTACGACCCCGGAGGCACCTGGGAGCACGGCCTGGCACCATGGGAACAGGGG
AGCAGGGCAGCCCTTTGCAGGAGGCTGTGCCACGGACACAAGCCACGGGCTCACCAAGCCTACCCTA
CCTCCGAGTCCCCTGATGGCAGCCAGAAGACGTCTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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- Restriction Sites:** SgfI-MluI
- Plasmid Map:**
- ACCN:** NM_181334
- Insert Size:** 1695 bp
- 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_181334.5](#)

RefSeq Size: 2161 bp

RefSeq ORF: 1695 bp

Locus ID: 553158

Cytogenetics: 22q13.31

MW: 64.5 kDa

Gene Summary: The PRR5-ARHGAP8 mRNA is an infrequent but naturally occurring read-through transcript of the neighboring proline rich 5, renal (PRR5) and Rho GTPase activating protein 8 (ARHGAP8) genes. The resulting fusion protein contains sequence identity with each individual gene product, and it includes domains characteristic of a RhoGAP protein. The significance of this read-through transcript and the function of its protein product have not yet been determined. [provided by RefSeq, Nov 2010]
Transcript Variant: This variant (1) encodes the longest isoform (1) of this protein.