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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)

Fully Sequenced ORF:

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

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGACTCTCCGCAGGTTGAAGTTCATGAGTTCGCCCAGCCTCAGTGACCTGGGCAAGAGAGAGCCG
GCCGCCGCCGCGGACGAGCGGGGCACGCAGCAGCGCCGGGCCTGCGCCAACGCCACCTGGAACAGCATC
CACAACGGGGTGATCGCCGTCTTCCAGCGCAAGGGGCTGCCCGACCAGGAGCTCTTCAGCCTCAACGAG
GGCGTCCGGCAGCTGTTGAAGACAGAGCTGGGGTCCTTCTTCACGGAGTACCTGCAGAACCAGCTGCTG
ACAAAAGGCATGGTGATCCTTCGGGACAAGATTCGCTTCTATGAGGAGCTGCAGAGAGACAAGGCGGCG
GCGGCTGCTGTGCTGGGTGCAGTGAGGAAGAGGCCCTCGGTGGTGCCCATGGCTGGCCAGGATCCTGCG
CTGAGCACGAGTCACCCGTTCTACGACGTGGCCAGACATGGCATTCTGCAGGTGGCAGGGGATGACCGC
TTTGGAAGACGTGTTGTCACGTTCAGCTGCTGCCGGATGCCACCCTCCCACGAGCTGGACCACCAGCGG
CTGCTGGAGTATTTGAAGTACACACTGGACCAATACGTTGAGAACGATTATACCATCGTCTATTTCCAC
TACGGGCTGAACAGCCGGAACAAGCCTTCCCTGGGCTGGCTCCAGAGCGCATACAAGGAGTTCGATAGG
AAGTACAAGAAGAACTTGAAGGCCCTCTACGTGGTGCACCCCACCAGCTTCATCAAGGTCCTGTGGAAC
ATCTTGAAGCCCCTCATCAGTCACAAGTTTGGGAAGAAAGTCATCTATTTCAACTACCTGAGTGAGCTC
CACGAACACCTTAAATACGACCAGCTGGTCATCCCTCCCGAAGTTTTGCGGTACGATGAGAAGCTCCAG
AGCCTGCACGAGGGCCGGACGCCGCCTCCCACCAAGACACCACCGCCGCGGCCCCCGCTGCCCACACAG
CAGTTTGGCGTCAGTCTGCAATACCTCAAAGACAAAAATCAAGGCGAACTCATCCCCCCTGTGCTGAGG
TTCACAGTGACGTACCTGAGAGAGAAAGGCCTGCGCACCGAGGGCCTGTTCCGGAGATCCGCCAGCGTG
CAGACCGTCCGCGAGATCCAGAGGCTCTACAACCAAGGGAAGCCCGTGAACTTTGACGACTACGGGGAC
ATTCACATCCCTGCCGTGATCCTGAAGACCTTCCTGCGAGAGCTGCCCCAGCCGCTTCTGACCTTCCAG
GCCTACGAGCAGATTCTCGGGATCACCTGTGTGGAGAGCAGCCTGCGTGTCACTGGCTGCCGCCAGATC
TTACGGAGCCTCCCAGAGCACAACTACGTCGTCCTCCGCTACCTCATGGGCTTCCTGCATGCGGTGTCC
CGGGAGAGCATCTTCAACAAAATGAACAGCTCTAACCTGGCCTGTGTCTTCGGGCTGAATTTGATCTGG
CCATCCCAGGGGGTCTCCTCCCTGAGTGCCCTTGTGCCCCTGAACATGTTCACTGAACTGCTGATCGAG
TACTATGAAAAGATCTTCAGCACCCCGGAGGCACCTGGGGAGCACGGCCTGGCACCATGGGAACAGGGG
AGCAGGGCAGCCCCTTTGCAGGAGGCTGTGCCACGGACACAAGCCACGGGCCTCACCAAGCCTACCCTA
CCTCCGAGTCCCCTGATGGCAGCCAGAAGACGTCTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

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.