

Product datasheet for **SC108605**

PRR16 (NM_016644) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRR16 (NM_016644) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRR16
Synonyms:	DSC54; LARGEN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016644, the custom clone sequence may differ by one or more nucleotides

ATGGCACAATCTGGGCTCACTGCAACCTCTGCCTCCCAGGTTCAAGCTATTCTCCTGCCTCAGCCTGCCT
 CAGTGCGCCACTACGCTGGGTGGTTGACCAGATTGACACCCTGACCTCTGACCTACAGCTGGAGGATGA
 GATGACTGACAGCTCCAAACGGACACGCTGAATAGTAGCTCAAGTGGCACAACAGCCTCCAGCCTAGAG
 AAGATCAAAGTGCAGGCTAATGCACCGCTTATTAACCCCGCAGCACCCATCTGCTATCCTCACGGTCC
 TGAGAAAGCCAAACCCTCCACCACCTCCTCAAGGTTGACACCTGTGAAGTGTGAAGACCCCAAGGGT
 GGTTCCAATGCAATCCTGTAAAAACCAATGGCACCTTCTACGAAATGGAGGCTTACCAGGTGGACCT
 AACAAATTCCAATGGAGATATCTGCTGCATACCCAACAGTAAGTGGACAAGGCTCCAGTCCAGCTTC
 TGATGCATAGACCTGAAAAGACAGATGTCCCGAGGCAGGCCTCGAGAACGAGTTTCGGTTTAATGAAA
 AGTACAGTACCATGGCTATTGTCCTGACTGTGATACCCGGTATAACATAAAAAACAGGGAGGTCCACTTA
 CACAGTGAACCTGTCCACCCACCGGAAAGATTCTCACCAGGCCCTCCCTCCCTCCTACACCCCATC
 TCCCTCCTTCCCACTAGAAAATGGGGGAATGGGAATAAGCCACAGTAACAGCTTCCCCCTATCAGACC
 TGCAACTGTGCCTCCTCCCACTGCACCAAAACCACAGAAGACGATCTTGAGGAAGTCAACCACTACAACC
 GTGTGA

Chromatograms:	https://cdn.origene.com/chromatograms/ja2006_e10.zip
Restriction Sites:	NotI-NotI
ACCN:	NM_016644
Insert Size:	1950 bp


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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_016644.1 , NP_057728.1
RefSeq Size:	1798 bp
RefSeq ORF:	846 bp
Locus ID:	51334
UniProt ID:	Q569H4
Cytogenetics:	5q23.1
Gene Summary:	<p>Regulator of cell size that promotes cell size increase independently of mTOR and Hippo signaling pathways. Acts by stimulating the translation of specific mRNAs, including those encoding proteins affecting mitochondrial functions. Increases mitochondrial mass and respiration.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an additional exon in the 5' region, and it thus differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.</p>