

Product datasheet for **SC107968**

Pirh2 (RCHY1) (NM_015436) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pirh2 (RCHY1) (NM_015436) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pirh2
Synonyms:	ARNIP; CHIMP; PIRH2; PRO1996; RNF199; ZCHY; ZNF363
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107968 sequence for NM_015436 edited (data generated by NextGen Sequencing)

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ATGGCGGCGACGGCCCGGAAGATGGCGCCAGCGGTCAAGAGCGAGGTCAGCGGGGCTGC
GAGCACTATGACAGAGGATGTCTCCTAAAGGCACCTTGCTGTGACAAGCTTTATACTTGC
CGCTTGTGTCATGATAACAATGAAGATCATCAACTAGATCGCTTTAAAGTGAAGGAAGTG
CAGTGCATAAACTGTGAAAAAATTCAACATGCCAACAGACTTGTGAAGAATGTAGCACA
TTGTTTGGAGAATATTATTGCGATATATGCCATTTGTTTGACAAAGATAAGAAGCAGTAT
CACTGTGAAAACGTGGAATTTGTAGGATTGGTCCAAAGGAAGATTTTTCCATTGTTT
AAATGTAACCTTATGCCTAGCTATGAATCTTCAAGGAAGACACAAGTGTATTGAAAATGTG
TCCCGACAGAATTGTCCAATATGTTTGGAGGACATTCACACATCCCGTGTGTTGCTCAT
GTCTTGCCATGTGGACATCTTTACATAGAACGTGTTATGAAGAAATGTTGAAAGAAGGC
TACAGATGTCCATTATGTATGCACTCTGCTTTAGATATGACCAGGTATTGGAGACAGCTG
GATGATGAAGTAGCACAGACTCCTATGCCATCAGAATATCAGAACATGACTGTGGATATT
CTCTGCAATGACTGTAATGGACGATCCACTGTTTCAGTTTCATATATTAGGCATGAAATGT
AAGATTTGTGAATCCTATAATACTGCTCAAGCTGGAGGACGTAGAATTTCACTGGATCAG
CAATGA
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Clone variation with respect to NM_015436.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015436 unedited GCCGCTGAATTCGCACGAGGGTGGAAATGTTATGGGAGGTGGAGGAGATGGCGCGACGGC CCGGGAAGATGGCGCCAGCGGTCAAGAGCGAGGTCAAGCGGGGCTGCGAGCACTATGACAG AGGATGTCTCCTAAAGGCACCTTGTGTGACAAGCTTTATACTTGCCGCTTGTGTCATGA TAACAATGAAGATCATCAACTAGATCGCTTTAAAGTGAAGGAAGTGCAGTGCATAAACTG TGAAAAAATTC AACATGCCAACAGACTTGTGAAGAATGTAGCACATTGTTTGGAGAAT ATTATTGCGATATATGCCATTTGTTTGACAAAGATAAGAAGCAGTACTGTGAAAACT GTGGAATTTGTAGATTGGTCCAAAGGAAGATTTTTTCCATTGTTTGAATGTAACCTTAT GCCTAGCTATGAATCTTCAAGGAAGACACAAGTGTATTGAAAATGTGCCCAGACAGAATT GTCCAATATGTTTGGAGGACATTCACACATCCCCTGTTGTTGCTCATGTCTTGCCATGTG GACATCTTTTACATAGAACGTGTTATGAAGAAATGTTGAAAGAAGGCTACAGATGCCAT TATGTATGCACTCTGCTTTAGATATGACCAGGTATTGGAGACAGCTGGATGATGAAGTAG CACAGACTCCTATGCCATCAGAATATCAGAACATGACTGTGGATATTCTCTGCAATGAAC TGTATGGACGATCCACTGTTTCAATTTTATATTANGCATGAAAAATGAAGATTTGTGAA TTCTATTACTGCTCAAGCTTGGAGACCTAGAATTTCACTGGATCAGCAATGACGACCC TCACAGTACTGGAGAACTTGCAATTTCTGATTTATAAAAAGCTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015436 unedited TCACCTATGNNACCGCGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTTGGTTTT TTTACCACAAAAAAGGTATGAGGCAATAAATTTATTACATTGATTTAATCATTCTACACT GTAACATATATCAAAACATCACATTGACTCCATATATAATATACACAATTATCAAT TAAATTTTAATAACACAAAGGACAAAAGAAAAATAAAGTGGCATAGTTTTGAACAACTCC CATTAAAAATTAATTCATTTCAAATTAACATTAAGTGAATACCTATGGCCAGGC ACTTATAAAATAATGTTGCTCTTTAGTACTTAGTAAATTTATTTTGATGCATGACCAAA ATAAAAGGGAAATTTAACATGTATATCATATGAAAATAGTTTTAGTGAAGAAATAAAAA CTGAGTTTGATTTAAAAATCCATGACACTATAACAACTACTACTTCAAACATAAGCTA AAGTTAATTCATAAAGAGTTCTATGACTGGTTAAGAAGACCCAGAACTAAGAATGA ACCACTTGGTATACACTCATTTTTTTTTTATACATACATCTTAAATGATAAAAAGAACTG AGATGCTATGCACCAAAAAATTCCTAAGGGGATTGGTATTTTACCTTTTTAAAAATAAT CCCAATAAACTATAGATACAAATTCCTGCGCAGGGCAACCCTACTTATTCAGGGACAGA ATATTCTAGTGTACTTAAGAAGTGTCTAAGTAATTAACAATCCCTGGAGCCTTTTTAAAAA GAATAGGAAAAGAAGAAGATGTCTGTTAAAATGGTAACAGTAGTTCTCTCTGAAAGAAGG NATGTTGAGAGATTTTTACCTTCTCTTTTTGNAGGATAAACTTTCCTATTGAGTCCGAA AAGGAAAAAATTANGTAAAGTTTTGATTTTAATTTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_015436
Insert Size:	4700 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).
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_015436.2 , NP_056251.2
RefSeq Size:	4336 bp
RefSeq ORF:	786 bp
Locus ID:	25898
UniProt ID:	Q96PM5
Cytogenetics:	4q21.1
Domains:	RING
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	p53 signaling pathway, Ubiquitin mediated proteolysis
Gene Summary:	<p>The protein encoded by this gene has ubiquitin ligase activity. It mediates E3-dependent ubiquitination and proteasomal degradation of target proteins, including tumor protein 53, histone deacetylase 1, and cyclin-dependent kinase inhibitor 1B, thus regulating their levels and cell cycle progression. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jun 2013]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1, also known as Pirh2A).</p>