

## Product datasheet for **SC334726**

### Pirh2 (RCHY1) (NM\_001278538) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pirh2 (RCHY1) (NM_001278538) Human Untagged Clone
Tag:	Tag Free
Symbol:	RCHY1
Synonyms:	ARNIP; CHIMP; PIRH2; PRO1996; RNF199; ZCHY; ZNF363
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278538, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCCAGCGGTCAAGAGCGAGGCACCTTGCTGTGACAAGCTTTATACTTGCCGCTTGTGTCATGATA  
ACAATGAAGATCATCAACTAGATCGCTTTAAAGTGAAGGAAGTGCAAGTGCATAAACTGTGAAAAATTCA  
ACATGCCAACAGACTTGTGAAGAATGTAGCACATTGTTTGGAGAATATTATTGCGATATATGCCATTTG  
TTTGACAAAGATAAGAAGCAGTATCACTGTGAAAAGTGGAAATTTGTAGGATTGGTCCAAAGGAAGATT  
TTTTCCATTGTTGAAATGTAACCTATGCCTAGCTATGAATCTTCAAGGAAGACACAAGTGTATTGAAAA  
TGTGTCCCGACAGAATTGTCCAATATGTTTGGAGGACATTCACACATCCCGTGTGTTGCTCATGCTTG  
CCATGTGGACATCTTTACATAGAACGTGTTATGAAGAAATGTTGAAAGAAGGCTACAGATGTCCATTAT  
GTATGCACTCTGCTTTAGATATGACCAGGTATTGGAGACAGCTGGATGATGAAGTAGCACAGACTCCTAT  
GCCATCAGAATATCAGAACATGACTGTGGATATTCTCTGCAATGACTGTAATGGACGATCCACTGTTTCAG  
TTTCATATATTAGGCATGAAATGTAAGATTTGTGAATCCTATAATACTGCTCAAGCTGGAGGACGTAGAA  
TTTCACTGGATCAGCAATGA
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001278538
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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001278538.1, NP_001265467.1</u>
<b>RefSeq Size:</b>	4387 bp
<b>RefSeq ORF:</b>	720 bp
<b>Locus ID:</b>	25898
<b>UniProt ID:</b>	<u>Q96PM5</u>
<b>Cytogenetics:</b>	4q21.1
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>Protein Pathways:</b>	p53 signaling pathway, Ubiquitin mediated proteolysis
<b>Gene Summary:</b>	<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 (8) uses an alternate splice site in the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (6) has a shorter and distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>