

## Product datasheet for **RG236681**

### Pirh2 (RCHY1) (NM\_001278536) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pirh2 (RCHY1) (NM_001278536) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RCHY1
Synonyms:	ARNIP; CHIMP; PIRH2; PRO1996; RNF199; ZCHY; ZNF363
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236681 representing NM_001278536. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGGCGACGGCCCGGAAGATGGCGCCAGCGGTCAAGAGCGAGGTCAGCGGGGCTGCGAGCACTAT
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TGCGATATATGCCATTTGTTTGACAAAGATAAGAAGCAGTACTACTGTGAAAACGTGGAATTTGTAGG
ATTGGTCAAAGGAAGATTTTTCCATTGTTGAAATGTAACCTATGCCTAGCTATGAATCTTCAAGGA
AGACACAAGTGTATTGAAATGTGTCCCGACAGAATTGTCCAATATGTTTGGAGGACATTCACACATCC
CGTGTGTTGCTCATGTCTTGCCATGTGGACATCTTTACATAGAACGTGTTATGAAGAAATGTTGAAA
GAAGGCTACAGATGTCCATTATGTATGCACTCTGCTTTAGATATGACCAGGTATTGGAGACAGCTGGAT
GATGAAGTAGCACAGACTCCTATGCCATCAGAATATCAGAACATGACTGTGGATATTCTCTGCAATGAC
TGTAATGGACGATCCACTGTTTCAGTTTCATATATTAGGCATGAAATGTAAGATTTGTGAATCCTATAAT
ACTGCTCAAGCTGGAGGACGTAGAATTTCACTGGATCAGCAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



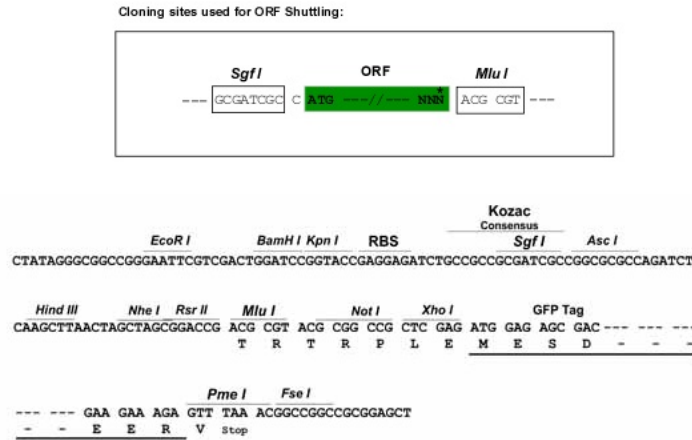
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG236681  
 Blue=ORF Red=Cloning site Green=Tag(s)

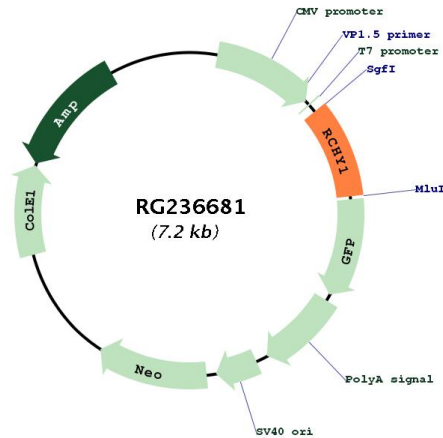
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 EGYRCLCMHSALDMTRYWRQLDDEVAQTPMPSEYQNMVDILCNCNGRSTVQFHILGMKCKICESYN  
 TAQAGRRISLDQQ  
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 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001278536

<b>ORF Size:</b>	663 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>RefSeq:</b>	<a href="#">NM_001278536.1</a> , <a href="#">NP_001265465.1</a>
<b>RefSeq Size:</b>	4311 bp
<b>RefSeq ORF:</b>	666 bp
<b>Locus ID:</b>	25898
<b>UniProt ID:</b>	<a href="#">Q96PM5</a>
<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>MW:</b>	25.8 kDa
<b>Gene Summary:</b>	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]