

## Product datasheet for **RG235926**

### Pirh2 (RCHY1) (NM\_001278539) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pirh2 (RCHY1) (NM_001278539) 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:	>RG235926 representing NM_001278539. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATCTTCAAGGAAGACACAAGTGTATTGAAAATGTGTCCCGACAGAATTGTCCAATATGTTGGAG
GACATTCACACATCCCGTGTGTTGCTCATGTCTTGCCATGTGGACATCTTTACATAGAACGTGTTAT
GAAGAAATGTTGAAAGAAGGCTACAGATGTCCATTATGTATGCACTCTGCTTTAGATATGACCAGGTAT
TGGAGACAGCTGGATGATGAAGTAGCACAGACTCCTATGCCATCAGAATATCAGAACATGACTGTGGAT
ATTCTCTGCAATGACTGTAATGGACGATCCACTGTTTCAGTTTCATATATTAGGCATGAAATGTAAGATT
TGTGAATCCTATAAATACTGCTCAAGCTGGAGGACGTAGAATTTCACTGGATCAGCAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235926  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MNLQGRHKCIENVSQRQNCPICLEDIHTSRVVAHVLPCHLLHRTCYEEMLKEGYRCPLCMHSALDMTRY
WRQLDDEVAQTPMPSEYQNMVDILCNDNCRSTVQFHILGMKCKICESYNTAQAGRRISLDQQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-Mlul

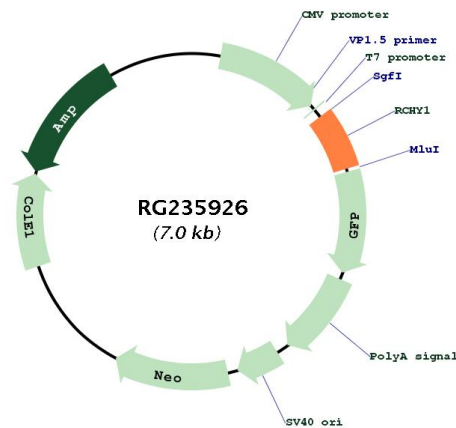


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001278539

ORF Size: 402 bp

OTI Disclaimer: 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](#)

<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_001278539.1</a> , <a href="#">NP_001265468.1</a>
<b>RefSeq Size:</b>	4469 bp
<b>RefSeq ORF:</b>	405 bp
<b>Locus ID:</b>	25898
<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>	15.9 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]