

Product datasheet for **RG219130**

Pirh2 (RCHY1) (NM_001009922) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pirh2 (RCHY1) (NM_001009922) 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:	>RG219130 representing NM_001009922 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGACGGCCCGGAAGATGGCGCCAGCGGTCAAGAGCGAGGTCAGCGGGGCTGCGAGCACTATG
ACAGAGGATGTCTCCTAAAGGCACCTTGCTGTGACAAGCTTTATACTTGCCGCTTGTGCATGATAACAA
TGAAGATCATCAACTAGATCGCTTTAAAGTGAAGGAAGTGCAGTGCATAAACTGTAAAAAATCAACAT
GCCAACAGACTTGTGAAGAATGTAGCACATTGTTGGAGAATATTATTGCGATATATGCCATTTGTTT
ACAAAGATAAGAAGCAGTATCACTGTGAAAAGTGTGGAATTTGTAGGATTGGTCCAAAGGAAGATTTTT
CCATTGTTGAAATGTAACCTATGCCTAGCTATGAATCTCAAGGAAGACACAAGTGTATTGAAAATGTG
TCCCGACAGAATTGTCCAATATGTTGGAGGACATTCACACATCCCGTGTGTTGCTCATGTCTTGCCAT
GTGGACATCTTTTACATAGAGGCTACAGATGTCCATTATGTATGCACTCTGCTTTAGATATGACCAGGTA
TTGGAGACAGCTGGATGATGAAGTAGCACAGACTCCTATGCCATCAGAATATCAGAACATGACTGTGGAT
ATTCTCTGCAATGACTGTAATGGACGATCCACTGTTTCAGTTTCATATATTAGGCATGAAATGTAAGATT
GTGAATCTATAATACTGCTCAAGCTGGAGGACGTAGAATTTCACTGGATCAGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219130 representing NM_001009922
 Red=Cloning site Green=Tags(s)

MAATAREDGASGQERQGRGCEHYDRGCLLKAPCCDKLYTCRLCHDNNEDHQLDRFKVKEVQCINCEKIQH
 AQTCEECSLTFGEYYCDICHLFDKDKKQYHCENCIGICRIGPKEDFFHCLKCNLCLAMNLQGRHKCIENV
 SRQNCPILEDIHTSRVVAHVLP CGHLLHRGYRCPLCMHSALDMTRYWRQLDDEVAQTPMPSEYQNMVTD
 ILCNDCNGRSTVQFHILGMKCKICESYNTAQAGRRRISLDQQ

TRTRPLE - GFP Tag - V

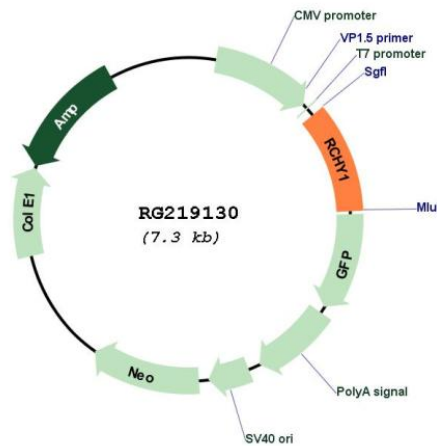
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001009922

ORF Size: 756 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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001009922.2 , NP_001009922.1
RefSeq Size:	4420 bp
RefSeq ORF:	759 bp
Locus ID:	25898
UniProt ID:	Q96PM5
Cytogenetics:	4q21.1
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	p53 signaling pathway, Ubiquitin mediated proteolysis
Gene Summary:	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]