

Product datasheet for **RC236604**

Pirh2 (RCHY1) (NM_001278537) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pirh2 (RCHY1) (NM_001278537) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RCHY1
Synonyms: ARNIP; CHIMP; PIRH2; PRO1996; RNF199; ZCHY; ZNF363
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236604 representing NM_001278537
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGCGACGGCCCGGAAGATGGCGCCAGCGGTCAAGAGCGAGGTCAGCGGGCTGCGAGCACTATG
ACAGAGGATGTCTCCTAAAGGCCAACAGACTTGTGAAGAATGTAGCACATTGTTGGAGAATATTATTG
CGATATATGCCATTTGTTTGACAAAGATAAGAAGCAGTATCACTGTGAAAAGTGTGAATTTGTAGGATT
GGTCCAAAGGAAGATTTTTCCATTGTTTGAAATGTAACCTATGCCTAGCTATGAATCTCAAGGAAGAC
ACAAGTGTATTGAAAATGTGTCCCGACAGAATTGTCCAATATGTTTGGAGGACATTCACACATCCCGTGT
TGTTGCTCATGTCTTGCCATGTGGACATCTTTACATAGAGGCTACAGATGTCCATTATGTATGCACTCT
GCTTTAGATATGACCAGGTATTGGAGACAGCTGGATGATGAAGTAGCACAGACTCCTATGCCATCAGAA
ATCAGAACATGACTGTGGATATTCTCTGCAATGACTGTAATGGACGATCCACTGTTCAAGTTTCATATATT
AGGCATGAAATGTAAGATTTGTGAATCCTATAATACTGCTCAAGCTGGAGGACGTAGAATTTCACTGGAT
CAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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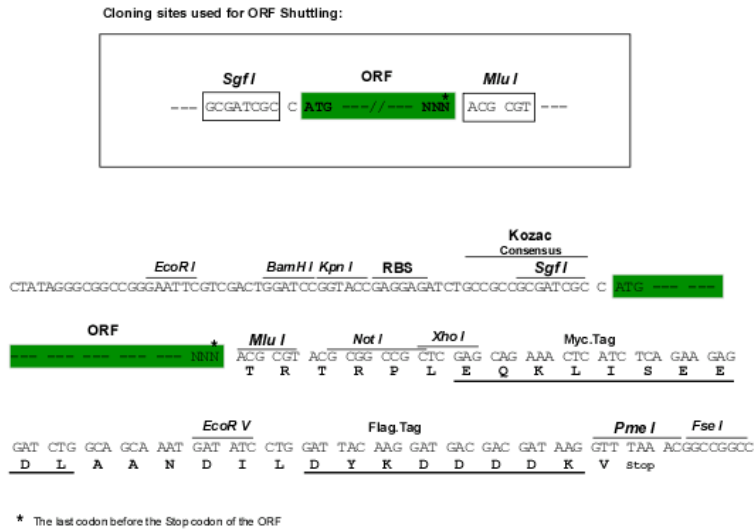
Protein Sequence: >RC236604 representing NM_001278537
 Red=Cloning site Green=Tags(s)

MAATAREDGASGQERQGRGCEHYDRGCLLKAQQTCEECSTLFGEYYCDICHLFDKDKKQYHCENCGICRI
 GPKEDFFHCLKCNLCLAMNLQGRHKCIENVSQRQNCPILEDIHTSRVVAHVLPCHLLHRGYRCPCLMHS
 ALDMTRYWRQLDDEVAQTPMPSEYQNMTVDILCNCNGRSTVQFHILGMKCKICESYNTAQAGGRISLD
 QQ

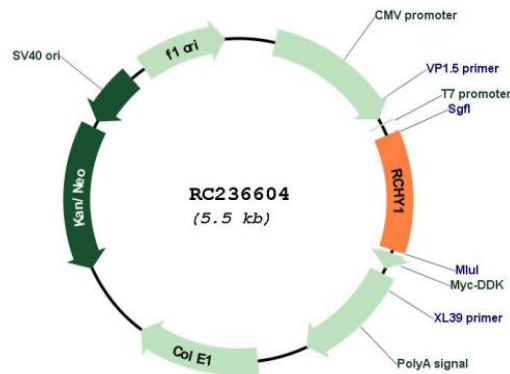
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001278537

ORF Size: 636 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_001278537.1 , NP_001265466.1
RefSeq Size:	4284 bp
RefSeq ORF:	639 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
MW:	24.7 kDa
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]