

Product datasheet for **RG203667**

Cirhin (UTP4) (NM_032830) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cirhin (UTP4) (NM_032830) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cirhin
Synonyms:	CIRH1A; CIRHIN; NAIC; TEX292
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG203667 representing NM_032830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGAATTTAAGGTCCATCGAGTACGTTTCTTTAATTATGTTCCATCAGGAATCCGCTGTGTGGCTT
 ACAATAACCAGTCAAACAGATTGGCTGTTTCACGAACAGATGGCACTGTGGAAATTTATAACTTGTGAGC
 AAATACTTTTCAGGAGAAATTTTCCAGGTGATGAGTCTCGGGCTACAGAAGCTTTGTGCTGGGCAGAA
 GGACAGCGACTCTTAGTGCTGGGCTCAATGGCGAGATTATGGAGTATGATTTACAGGCGTTAAACATCA
 AGTATGCTATGGATGCCTTTGGAGGACCTATTTGGAGCATGGCTGCCAGCCCCAGTGGCTCTCAACTTTT
 GGTTGGTTGTGAAGATGGATCTGTGAACTATTTCAAATTACCCAGACAAAATCCAGTTTGAAAGAAAT
 TTTGATCGGCAGAAAAGTCGCATCCTGAGTCTCAGCTGGCATCCCTCTGGTACCCACATTGCAGCTGGT
 CCATAGACTACATTAGTGTGTTTGTATGTCAAATCAGGCAGCGCTGTTTATAAGATGATTGTGGACAGGCA
 GTATATGGGCGTGTCTAAGCGGAAGTGCATCGTGTGGGTGTGCGCTTCTGTCCGATGGCACTATCATA
 AGTGTGGACTCTGCTGGGAAGGTGCAGTTCTGGGACTCAGCCACTGGGACGCTTGTGAAGAGCCATCTCA
 TCGCTAATGCTGACGTGCACTCCATTGCTGTAGCTGACCAAGAAGACAGTTTCGTGGTGGGCACAGCCGA
 GGGAACAGTCTTCCATTTTCAGCTGGTCCCTGTGACATCTAACAGCAGTGAGAAGCAGTGGGTGCGGACA
 AAACCGTTCCAGCATCACACTCATGACGTGCGCACTGTGGCCACAGCCCAACAGCGCTGATATCTGGAG
 GCACTGACACCCACTTAGTCTTTCTGCTCTCATGGAGAAGGTGGAAGTAAAGAATTACGATGCCGCTCT
 CCGAAAAATCACCTTTCCCAACCGATGTCTCATCTCTGTTCTAAAAAGAGGCAGCTTCTCTCTCCAG
 TTTGCTCATCACTTAGAACTTTGGCGACTGGGATCCACAGTTGCAACAGGCAAGAATGGGATACTCTTC
 CACTCTCTAAAAATGCAGATCATTTACTGCACCTAAAGACAAAGGGTCTGAGAACATTATCTGTAGCTG
 TATCTCCCCATGTGGAAGTTGGATAGCCTATTCTACAGTTTCTCGGTTTTTCTCTATCGGCTGAATTAT
 GAACATGACAACATAAGCCTCAAAGGGTTTCCAAAATGCCAGCATTCTTCGCTCTGCCCTTCAGATTT
 TGTTTTCTGAAGATTCAACAAAGCTCTTTGTAGCATCAAATCAAGGAGCTCTGCATATTGTTAGCTGTC
 AGGAGGAAGCTTCAAGCACCTGCATGCTTTCCAGCCTCAGTCAGGAACAGTGGAGGCCATGTGTCTTTTG
 GCAGTCAGTCCAGATGGGAATTGGCTAGCTGCATCAGGTACCAGTGTGGAGTCCATGTCTACAACGTAA
 AACAGCTAAAGCTTCACTGCACGGTGCCTGCTTACAATTTCCAGTGACTGCTATGGCTATTGCCCCAA
 TACCAACAACCTTGTATCGCTCATTGGACAGCAGGTATTTGAGTACAGCATCCAGACAAACAGTAT
 ACAGATTGGAGCCGACTGTCCAGAAGCAGGGCTTTACCACCTTTGGCTCCAAAGGGATACTCCTATCA
 CACACATCAGTTTTATCCCAAGAGACCGATGCACATCCTTCTCCATGATGCCTACATGTTCTGCATCAT
 TGACAAGTCATTGCCCTTCCAATGACAAAACCTTACTCTACAATCCATTTCTCCACGAATGAATCA
 GATGTCATCCGGAGGCGCACAGCTCATGCTTTTAAATTTCTAAGATATATAAGCCTCTACTCTTCATGG
 ATCTTTTGGATGAAAGAACTCGTGGCAGTAGAACGGCTCTGGATGACATATTGCTCAGCTCCACACC
 ACCCATTAAGAAGAAATTTGGAACC

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG203667 representing NM_032830
Red=Cloning site Green=Tags(s)

MGEFKVHRVRRFFNYVPSGIRCVAYNNQSNRLAVSRTDGTVEIYNLSANYFQEKFFPGHESRATEALCWAE
 GQRLF SAGLNGEIMEYDLQALNIKYAMDAFGGPIWSMAASPSGSQLLVGCEDGSVKLFQITPDKIQFERN
 FDRQKSRILSLSWHPSGTHIAAGSIDYISVFDVKSGSAVHKMIVDRQYMGVSKRKCIVWGVAFVLSGTII
 SVDSAGKVQFWD SATGTLVKSHLIANADVQSIADQEDSFVVGTAEGTVFHFQLVPVTSNSSEKQWVRT
 KPFQHHTHDVRTVAHSPTALISGGTDTHLVFRPLMEKVEVKNYDAALRKITFPHRCLISCSKKRQLLLFQ
 FAHHLELWRLGSTVATGKNGDTLPLSKNADHLLHLKTGKPENIICSCISPCGSWIAYSTVSRFFLYRLNY
 EHDNISLKRYSKMPAFLRSALQILFSEDSTKLFVASNQGALHIVQLSGGSFKHLHAFQPQSGTVEAMCLL
 AVSPDGNWLAASGTSAGVHVYNVKQLKLHCTVPAYNFPVTAMAIAPNTNNLVIAHSDQQVFEYSIPDKQY
 TDWSRTVQKQGFHHLWLQRDTPITHISFHPKRPMHILLHDAYMFCIIDKSLPLPNDKTLNYPFPPTNES
 DVIRRRTAHAFKISKIYKPLLMDLLDERTLVAVERPLDDIIAQLPPPIKKKKFGT

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_032830

ORF Size: 2058 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:

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_032830.3](#)

RefSeq Size: 2192 bp

RefSeq ORF: 2061 bp

Locus ID: 84916

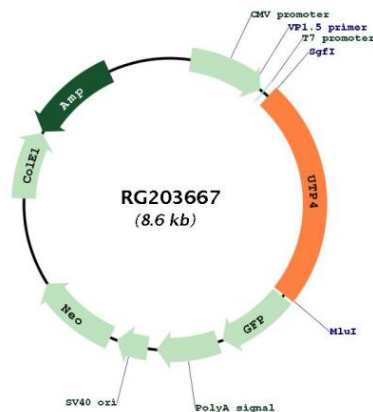
UniProt ID: [Q969X6](#)

Cytogenetics: 16q22.1

Domains: WD40

Gene Summary: This gene encodes a WD40-repeat-containing protein that is localized to the nucleolus. Mutation of this gene causes North American Indian childhood cirrhosis, a severe intrahepatic cholestasis that results in transient neonatal jaundice, and progresses to periportal fibrosis and cirrhosis in childhood and adolescence. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG203667