

## Product datasheet for **MG224678**

### Cyhr1 (NM\_019396) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyhr1 (NM_019396) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyhr1
Synonyms:	1110031M01Rik; AU042374; Chrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224678 representing NM_019396 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTTCCAACCAGGACTGAATGGAGCACTGTCTGTCCCACCTGGTATTGGCAGGGGTGCCCTGC  
ATGCAGCGGTGAGCTCTGTACAGTGTACTAACGGTCACTTGATGTGCGCTGGCTGTTTTATCCACCTACT  
AGCAGATGCCCGGCTGAAGGAGGAGCAGGCCACATGTCCCACTGTCGTTGTGAGATCAGTAAGAGCCTC  
TGCTGCCGGAACCTGGCTGTGGAGAAAGCTGTGAGCGAGCTGCCTTCAGAGTGTGGCTTCTGTCTGCGTC  
AGTTCCCTCGCTCCCTCCTAGAGAGGCACCAGAAAGAGGAATGCCAGGACAGGGTGACACAGTGAAGTA  
CAAGCGTATTGGCTGCCCGTGGCATGGCCCTTCCATGAGCTGACAGTGCATGAAGCTGCGTGTGCTCAC  
CCGACCAAGACAGGCAACGAGCTGATGGAGATCCTCGACGAGATGGACCAGAGCCACCGAAGGAGATGC  
AGCTCTACAACAGCATCTTCAGCCTGCTCAGCTTTGAGAAGATCGGCTACACAGAAGTTCAGTTCGGCC  
TTACCGCACTGATGACTTCATCACGCCTGTACTATGAAACACCACGGTTCACAGTACTGAACCAGACA  
TGGGTCTGAAGGCTCGTGTGAATGACTCGGAGCGCAACCCCACTGTCGTGCAAGCGCACACTTTCCT  
TCCAGTACTCCTCAAGAGCAAGGTCACAGCACCCCTGGAGTGTCTTTTCTTCTGCTCAAGGGCCATA  
CGACGACGTGAGGATCAGTCTGTATCTACCCTTTGTCTTACCAATGAGAGCAATGAGACAGACTAT  
GTGCCGCTGCCCATCATCGACTGTGGAGTGCAACAAGCTGTGGCCGCAAGAACATTAACCTGCGGC  
TCTTCTGTTCAGATACAGAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG224678 representing NM\_019396  
Red=Cloning site Green=Tags(s)

MVSKPRTEWSTVLSHLVLAGVSLHAAVSSVQCTNGHLMCAGCFIHLLADARLKEEQATCPNCRCEISKSL  
 CCRNLAVEKAVSELPSECGFCLRQFPRSLLEERHQKEECQDRVTQCKYKRIGCPWHGPFHELTVHEAACAH  
 PTKTGNELMEILDQSHRKEMQLYNSIFSLLSFEKIGYTEVQFRPYRTDDFITRLYYETPRFTVLNQT  
 WVLKARVNDSEPNLSCKRTLQSFLLKSKVTAPLECSFLLKGPYDDVRI SPVIYHFVFTNESNETDY  
 VPLPIIDSVECNKLLAAKNINLRLFLFQIQK

TRTRPLE - GFP Tag - V

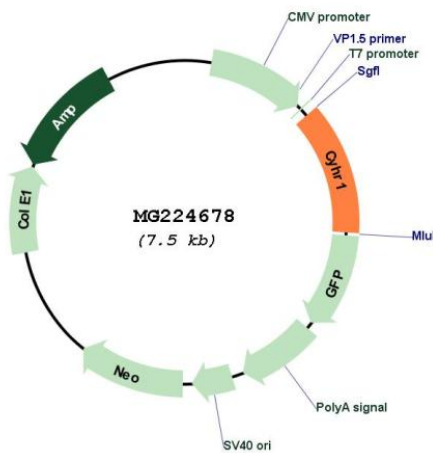
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_019396

**ORF Size:** 933 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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_019396.3</a>
<b>RefSeq Size:</b>	1587 bp
<b>RefSeq ORF:</b>	936 bp
<b>Locus ID:</b>	54151
<b>UniProt ID:</b>	<a href="#">Q9QXA1</a>
<b>Cytogenetics:</b>	15 D3