

Product datasheet for **RG225546**

CYHR1 (NM_138496) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYHR1 (NM_138496) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CYHR1
Synonyms:	CHRP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225546 representing NM_138496 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCAAGCCGGGGCCGAGTGGAGCACAGCCCTGTCCATCTGGTCTGGGAGTGGTGTCTCTGC
ACGCAGCCGTGAGCACAGCCGAGGCAAGTCGAGGGGCTGCTGCTGGCTTCTGCTCCAGGCTTGGCTGC
CACCACCAGCTGGCCCCAGGGCTGAGCACACGAAGACTGCCTTGCTGGAGCCTGGTGGCCACCGTC
ATCGGCCCTCCCCTTCTGGCCTTCGATTCCACTGGTGTACTAATGGTCACTTGATGTGCGCTGGCTGTT
TTATCCACCTACTAGCAGATGCCCGCTGAAGGAGGAGCAGGCCACGTGCCCAATTGTCGTTGTGAGAT
CAGTAAGAGCCTCTGCTGCCGGAACCTGGCCGTGGAGAAAGCCGTGAGCGAGCTGCCTTCAGAGTGTGGC
TTCTGCCTGCGCCAGTTTCCCCTCCCTCCTGGAGAGGCACAGAAAGAGGAATGCCAGGACAGGGTAA
CCCAGTGAAGTACAAACGCATCGGCTGCCATGGCACGGCCCTTCCATGAGCTGACGGTGCACGAGGC
TGCGTGGCCCCACCCGACCAAGACAGGCAGTGAAGTGAAGGATCCCTGGATGGGATGGACCAGAGCCAC
CGCAAGGAGATGCAGCTGTACAACAGCATCTTCAGCCTGCTCAGCTTCGAGAAGATTGGCTACACAGAGG
TCCAGTTCGGCCGTACCGCACAGACGACTTCATCACGCGCTGTACTATGAGACGCCAGGTTACAGT
GCTGAACCAGACGTGGTCTCCTGAAGGCTCGAGTCAACGACTCGGAGCGTAACCCCAACCTGCTCCTGCAAG
CGTACGCTCCTTCCAGCTCCTCCTCAAGAGCAAGGTACCGCACCGCTGGAGTGCCTCCTGCTGC
TCAAGGGCCCCTACGACGACGTGAGGATCAGCCCGTCATCTACCACTTTGCTTCCACCAACGAGAGCAA
CGAGACGGACTACGTGCCACTGCCATCATTGACTCCGTGGAGTGCAACAAGCTGCTGGCTGCCAAGAAC
ATCAACCTGCGGCTCTTCTGTTCCAGATACAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225546 representing NM_138496
Red=Cloning site Green=Tags(s)

MAPKPGAEWSTALSHLVLGVVSLHAAVSTAEASRGAAAGFLLQVLAATTTLAPGLSTHEDCLAGAWVATV
 IGLPLLAFDFHWCTNGHLMCAGCFIHLLADARLKEEQATCPNCRCEISKSLCCRNLAWEKAVSELPSECG
 FCLRQFPRSLRERHQKEEQDRVTQCKYKRIGCPWHGPFHELTVHEAACAHPTKTGSELMEILDGMDQSH
 RKEMQLYNSIFSLLSFEKIGYTEVQFRPYRTDDFITRLYYETPRFTVLNQTWVLKARVNDSEKPNLSCK
 RTLSFQLLLKSKVTAPLECSFLLLKGPYDDVRIISFVIYHFVFTNESNETDYVPLPIIDSVECNKLLAAKN
 INLRFLFQIQK

TRTRPLE - GFP Tag - V

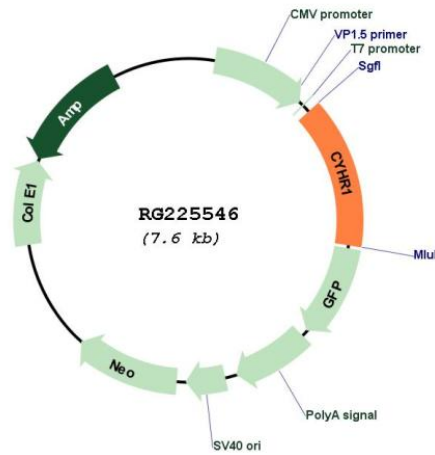
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_138496

ORF Size:	1086 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_138496.2
RefSeq Size:	1670 bp
RefSeq ORF:	1089 bp
Locus ID:	50626
UniProt ID:	Q6ZMK1
Cytogenetics:	8q24.3
Protein Families:	Transmembrane