

Product datasheet for **RG226767**

CLHC1 (NM_001135598) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLHC1 (NM_001135598) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLHC1
Synonyms:	C2orf63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG226767 representing NM_001135598
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGATTATCGAAAGTAATTCCTCGAAGATTCAATCTCAAATAGATCACATCAAGCAGTGTAGGGCAG
 AGTATGACACAAAAGAAGTAAATATTGTACTTTCTCAAAGATCCTTCAAACCTATTCCAGGCATGAC
 TCTTCAAGAATCCATGAATCTAGATGTTCTCACTAAATACATGAAACATCTTGAAGATAAATATGCAGAA
 ATTAAACAAGCTATGTTGATAAAATATGTGCCAGCTCAGAGGAAGGCTGATTTAGATGAAGAAATGATTG
 TGTTATTAACGCGGAGATGTAGCTGAAAATCTGAACAAAAAATTGCAGTTTTGTCATCAAAGACTGCA
 GATAATTTACAGGCACTTAGTTCATGGGTAAAATCTGATATGAGCAGCCATTTCAAGACTTTGTGGAG
 CAAATTCAGAAAACCAATATTTACAAGGTGACCAAGGCATTGTTGAAGAACTAATGGAAGATGATCCAC
 GCAGGGCAAAAGAAGCTGAAATTATGCTTCACTACATTGAAAGGTTTAATGAGTTAATCTCACTTGGTGA
 ATATGAAAAGGCAGCTTGTATGCAGCAACAGTCTAGAGAATTCTTCGAAACATTGGTACAATGAAT
 ACATTTAAGGCTGTTGAAAAATTAGAGGAAAGCCTCTTCCATTACTCTTATTTTTTGAGGCCCTCTTTA
 TCACAAGTCATGCTTTTCCATGTCCTGTTGATGCAGCTCTAACCTGGAAGGAATCAAATGTGGATTATC
 AGAAAAACGGTTAGATTTAGTTACCAATTGGGTTACACAGGAAAGACTGACATTTTCTGAGGAGGCTGGG
 GATGTGATTTGTGATTATGGGGAGCAGGATACTTATAACAAGGCCAAGTGCCTGGCTTTAGCTCAGATTA
 TCTACAGTGAATGTGGCCTGCACAAGAAAGCTATTCTTTGCTTGTTAAACAGGGTCAGACTCATAGGGT
 CATGGAGTACATACAGCAGTTGAAGGACTTTACTACCGATGACCTGTTGCAGCTATTAATGTCATGTCCC
 CAAGTTGAATTAATTCAGTGTCTCACTAAAGAGTTGAATGAGAAACAACCATCTTTATCTTTGGTCTTG
 CTATACTTCATCTGTTCTCTGCAGACATGAAAAAGTTGGCATTAAAGCTACTTCAAGAAATCAATAAAGG
 TGGGATAGATGCAGTAGAAAGTCTTATGATAAATGATTCTTTTGTCTCCATAGAAAAGTGGCAAGAAGTG
 GCAAAATATATGTTACAGAATGGCTTTGACAAATTATCTAATGACATCACGTCTATTCTTCGATCTCAGG
 CTGCAGTTACAGAAATTTCTGAAGAGGATGACGCAGTCAACCTAATGGAACATGTGTTTTGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG226767 representing NM_001135598
 Red=Cloning site Green=Tags(s)

MRIIESNSSKIQSQIDHIKQCRAEYDTKEVKYCTFSKDPSKPIPGMTLQESMNLVDLTKYMKHLEDKYAE
 IKQAMLIKYPVPAQRKADLDEEMIVLLKRRDVAENLNKKLQFCHQRLQIISQALSSWVKSDMSSPFQDFVE
 QIQKTKYLQGDQIVEELMEDDPRRAKEAEIMLHYIERFNELISLGEYEKAACYAANSRRILRNIGTMN
 TFKAVGKIRGKPLPLLLFFELFITSHAFPCPVDAALTLEGIKGLSEKRLDLVTNWVTQERLTFSEEAG
 DVICDYGEQDTYNKAKCLALAQIYSEGLHKKAILCLCKQGQTHRVMEYIQLKDFTTDDLQLLMSCP
 QVELIQCLTKELNEKQPSLSFGLAILHLFSADMKKVGIKLLQEINKGGIDAVESLMINDSFCSIEKWQEV
 ANICSQNGFDKLSNDITSILRSQAAVTEISEDDAVNLMEHVFV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001135598

ORF Size: 1392 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_001135598.1](#), [NP_001129070.1](#)

RefSeq Size: 4909 bp

RefSeq ORF: 1395 bp

Locus ID: 130162

UniProt ID: [Q8NHS4](#)

Cytogenetics: 2p16.1

Product images:



Circular map for RG226767