

## Product datasheet for **RC226590**

### **GHDC (NM\_001142622) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GHDC (NM_001142622) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GHDC
Synonyms:	D11LGP1; LGP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

## ORF Nucleotide Sequence:

>RC226590 representing NM\_001142622  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCTGCTGTGGCCACTGCTGCTGCTGCTGCTGCTGCTGCCAACATTGGCCCTGCTCAGGCAGCAGCGGT  
CCCAGGATGCCAGGCTGTCTGGCTTGCTGGCCTCCAGCACCGAGTGGCATGGGGGGCCCTGGTCTGGGC  
AGCCACCTGGCAGCGCGGAGGCTGGAGCAGAGCACGCTCCATGTGCACCAGAGCCAGCAGCAGGCCCTG  
AGGTGGTGTCTACAGGGAGCCAGCGCCCCACTGTTCCCTCAGAAGGAGCACAGACATAAGCACCTTCC  
GGAATCATCTCCCTCTGACCAAGGCCTACCCAGAAGTGTGGCTCAGGGACGCACTGCCCGTGTGACGCT  
TACATCCCCTTGCCCCGACCCCTGCCTTGGCCTGGGAATACCCTGGGCCAGGTGGGCACCCCTGGAACC  
AAGGACCTAGGGCCCTGCTGCTGGACGCACTGAGGTCCCAGGGCTGAGGGCACTGGAGGCTGGGACGG  
CTGTGCAACTTCTGGATGTTTTCTGGCCTGGAGACTGATGGTGAAGAGCTAGCTGGGGCGATAGCTGC  
CGGAACCTGGAGCGCCTCTCCGTGAACGGGCAGCTGAGCTCCGGGAGGCCCTAGAGCAGGGGCCACGG  
GACTGGCCCTCGGCTCTGGCCAAAGCTGCAGGTGGTGGTACTCTGGATGCAGGAGGCCAGGCCGAGG  
CTGTGGCTGCCCTCGGGCCCTGTGGTCCAAGGACTAGCCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCT  
AGGGTGTCTGGGCCTAAACCTACAGCCAGAGCAGCCCCATGGGCTCTACCTTCTGCCCCCTGGGGCCCC  
TTTATCGAGCTGCTCCCAGTCAAGGAAGGCACCCAGGAGGAAGCTGCCTCCACCTCCTTTTGGCCGAGG  
CCCAGCAGGGCAAGGAGTATGAGCTGGTGTCTGACGGACCGCCAGCCTCACCAGGTGCCGCTGGGTGA  
TGTGGTGCAGTGGTGGTGCCTACAATCAGTGTCCAGTCGTGAGGTTTCTCTGCAGGCTGGACCAGACC  
CTGAGTGTGCGAGGGGAAGATATTGGTGAAGACCTGTTCTCTGAGGCCCTGGGCCGGGCACTGGGGCAGT  
GGCGGGGGCCAAGCTGCTGGACCATGGCTGTGTGGAGAGCAGCATTCTGGATTCTCTCGGGGCTCTGC  
TCCCCACTACGAGGTGTTTGTGGCGCTGAGGGGCTGAGGAATCTGTGAGGAAAAATCGAGACAAGCTG  
GACCACTGCCTTCAAGAGCCTCTCCCCCTACAAGTCCCTGCGTTCTGGGGCAGCGTGGGCCCTGCCA  
GAGTCCACCTGGTGGGCAGGGAGCCTCCGAGCACTCCGGGCAGCCCTCGCTGCCTGCCCTCCTCCCC  
CTTCCCCCTGCGATGCCCGGGTCTTCCGGCACAGGCACCTGGCCAGTGTCTGCAGGAGAGGGTGGT  
TCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC226590 representing NM\_001142622  
Red=Cloning site Green=Tags(s)

MLLWPLLLLLLLLLPTLALLRQORSQDARLSWLAGLQHRVAWGALVWAATWQRRRLEQSTLHVHQSQQQAL  
RWCLQGAQRPHCSLRRSTDI STFRNHLPLTKAYPEVLAQGRTARVTLTSPWPRPLPWPGNL LGVGTPTG  
KDPRALLLDALRSPGLRALEAGTAVELLDVFLGLETDGEELAGIAAGNPGAPLRERAAELREALEQGPR  
GLALRLWPKLQVVVTL DAGGQAEVAALGALWCQLAFFSPAYAASGGVGLNLQPEQPHGLYLLPPGAP  
FIELLPVKEGTQEEAASTLLLAEAQQGKEYELVLTDRASLTRCRLGDVVRVVGAYNQCPVVRVICRLDQT  
LSVRGEDIGEDLFSEALGRAVGQWAGAKLLDHGCVESSILDSSAGSAPHYEVFVALRGLRNLSEENRDKL  
DHCLQEASPRYKSLRFWGSVGPARGVHLVGQGAFRALRAALACPSSPFPAMPVLRHRHLAQCLQERVV  
S

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

## Chromatograms:

[https://cdn.origene.com/chromatograms/mk8063\\_b07.zip](https://cdn.origene.com/chromatograms/mk8063_b07.zip)

## Restriction Sites:

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001142622

**ORF Size:** 1473 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\\_001142622.1](#), [NP\\_001136094.1](#)

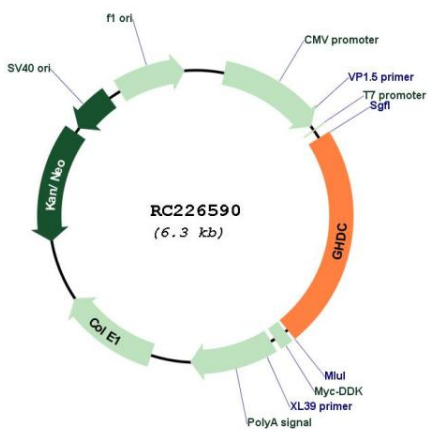
**RefSeq ORF:** 1476 bp

**Locus ID:** 84514

**Cytogenetics:** 17q21.2

**MW:** 53.3 kDa

Product images:



Circular map for RC226590