

Product datasheet for **RG226601**

GHDC (NM_001142623) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | GHDC (NM_001142623) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | GHDC |
| Synonyms: | D11LGP1; LGP1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>RG226601 representing NM_001142623
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCTGTGGCCACTGCTGCTGCTGCTGCTGCTGCCAACATTGGCCCTGCTCAGGCAGCAGCGGT
 CCCAGGATGCCAGGCTGTCTGGCTTGCTGGCCTCCAGCACCGAGTGGCATGGGGGGCCCTGGTCTGGGC
 AGCCACCTGGCAGCGCGGAGGCTGGAGCAGAGCAGCTCCATGTGCACCAGAGCCAGCAGCAGGCCCTG
 AGGTGGTGTCTACAGGGAGCCAGCGCCCCACTGTTCCCTCAGAAGGAGCACAGACATAAGCACCTTCC
 GGAATCATCTCCCTCTGACCAAGGCCAGCCAGACCAGCAGGAAGACAGTGGAGAGCAGCCACTGCCCC
 GACCTCAAACCAGGACCTTGGGGAGGCCTCTGTCAGGCCACCTTGCTGGGTCTGGCAGCCCTAAACAAG
 GCCTACCCAGAAGTGTGGCTCAGGGACGCACTGCCCGTGTGACGCTTACATCCCCTTGGCCCCGACCC
 TGCTTGGCCTGGGAATACCCTGGCCAGGTGGGCACCCCTGGAACCAAGGACCTAGGGCCCTGCTGCT
 GGACGCACTGAGGTCCCAGGGCTGAGGGCACTGGAGGCTGGGACGGCTGTCGAACCTCTGGATGTTTT
 TTGGGCCTGGAGACTGATGGTGAAGAGCTAGCTGGGGCGATAGCTGCCGGGAACCCCTGGAGCGCCTCC
 GTGAACGGGCAGCTGAGCTCCGGGAGGCCCTAGAGCAGGGGCCACGGGGACTGGCCCTTCGGCTCTGGCC
 AAAGTGCAGGTGGTGGTACTCTGGATGCAGGAGGCCAGGCCGAGGCTGTGGTGGCCCTCGGGCCCTTG
 TGGTGCAAGGACTAGCCTTCTTCTCTCTGCTTATGCTGCCTCGGGAGGGGTGCTGGGCCTAAACCTAC
 AGCCAGAGCAGCCCCATGGGCTCTACCTTCTGCCCCCTGGGGCCCCCTTTATCGAGCTGCTCCAGTCAA
 GGAAGGCACCCAGGAGGAAGTGCCTCCACCCTCTTTTGGCCGAGGCCAGCAGGGCAAGGAGTATGAG
 CTGGTGTGACGGACCGCCAGCCTCACCAGTGCCTGGGTGATGTGGTGCAGTGGTTGGTGCCT
 ACAATCAGTGTCCAGTCTCAGTTTCTGTCAGGCTGGACCAGCCCTGAGTGTCCGAGTGGGAAGATAT
 TGGTGAAGACCTGTTCTCTGAGGCCCTGGGCCGGCAGTGGGGCAGTGGGCGGGGCAAGCTGCTGGAC
 CATGGCTGTGGAGAGCAGCATTCTGGAGTGGGGAAGAACAGATAGGGCAGAGGACACTAGACTTGGCA
 GCTGCCATTACCGGAAGTATGTGTGCACATGGGGTCTATTACAGATTCTCTGCGGGCTCTGCTCC
 CACTACGAGGTGTTTGTGGCGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG226601 representing NM_001142623
 Red=Cloning site Green=Tags(s)

MLLWPLLLLLLLLLPTLALLRQQRSDARLSWLAGLQHRVAWGALVWAATWQRRRLEQSTLHVHQSQQAL
 RWCLQGAQRPHCSLRRSTDISTFRNHLPLTKASQTQEDSGEQPLPPTSNQDLGEASLQATLLGLAALNK
 AYPEVLAQGRARVTLTSPWPRPLPWPGNTLQVGTGTPGTDPRALLLDALRSPGLRALEAGTAVELLDVF
 LGLETGDEELAGAIAGNPGAPLRERAAELREALEQGPRGLALRLWPKLQVVVTLDAGGQAEVAALGAL
 WCQGLAFFSPAYAASGGVLGLNLQPEQPHGLYLLPPGAPFIELLPVKEGTQEEAASTLLLAEQQKEYE
 LVLTDRASLTRCRLGDVVRVVGAYNQCPVVRVICRLDQTL SVRGEDIGEDLFSEALGRAVGQWAGAKLLD
 HGCVESSILEWGRTDRAEDTRLGSCPFTGSMCAHGVSQIPLRALLPTTRCLWR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001142623

ORF Size: 1422 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_001142623.2](#)

RefSeq Size: 2585 bp

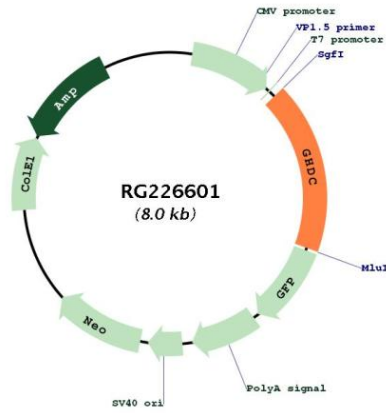
RefSeq ORF: 1425 bp

Locus ID: 84514

UniProt ID: [Q8N2G8](#)

Cytogenetics: 17q21.2

Product images:



Circular map for RG226601