

Product datasheet for **RG202272**

GHDC (NM_032484) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GHDC (NM_032484) 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:

>RG202272 representing NM_032484
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCTGTGGCCACTGCTGCTGCTGCTGCTGCTGCCAACATTGGCCCTGCTCAGGCAGCAGCGGT
 CCCAGGATGCCAGGCTGTCTGGCTTGCTGGCCTCCAGCACCGAGTGGCATGGGGGGCCCTGGTCTGGGC
 AGCCACCTGGCAGCGCGGAGGCTGGAGCAGAGCACGCTCCATGTGCCACAGAGCCAGCAGCAGGCCCTG
 AGGTGGTGTCTACAGGGAGCCAGCGCCCCACTGTTCCCTCAGAAGGAGCACAGACATAAGCACCTTCC
 GGAATCATCTCCCTCTGACCAAGGCCAGCCAGACCAGCAGGAAGACAGTGGAGAGCAGCCACTGCCCCC
 GACCTCAAACCAGGACCTTGGGGAGGCCTCTGTCAGGCCACCTGCTGGGTCTGGCAGCCCTAAACAAG
 GCCTACCCAGAAGTGTGGCTCAGGGACGCACTGCCCGTGTGACGCTTACATCCCCTTGGCCCCGACCCC
 TGCCCTGGCCTGGGAATACCCTGGGCCAGGTGGGCACCCCTGGAACCAAGGACCCTAGGGCCCTGCTGCT
 GGACGCACTGAGGTCCCAGGGCTGAGGGCACTGGAGGCTGGGACGGCTGTCGAACCTTCTGGATGTTTTT
 TTGGGCTGGAGACTGATGGTGAAGAGCTAGCTGGGGCGATAGCTGCCGGGAACCCCTGGAGCGCCTCTCC
 GTGAACGGGCAGCTGAGCTCCGGGAGGCCCTAGAGCAGGGGCCACGGGGACTGGCCCTTCGGCTCTGGCC
 AAAGTGCAGGTGGTGGTACTCTGGATGCAGGAGGCCAGGCCGAGGCTGTGGTGGCCCTCGGGGCTTG
 TGGTGCCAAGGACTAGCCTTCTTCTCTCTGCTTATGCTGCCTCGGGAGGGGTGCTGGGCCTAAACCTAC
 AGCCAGAGCAGCCCCATGGGCTCTACCTTCTGCCCCCTGGGGCCCCCTTTATCGAGCTGCTCCAGTCAA
 GGAAGGCACCCAGGAGGAAGTGCCTCCACCCTCTTTTGGCCGAGGCCAGCAGGGCAAGGAGTATGAG
 CTGGTGTGACGGACCGCCAGCCTCACCAGGTGCCCTGGGTGATGGTGGCAGTGGTGGTGGTGGTGGT
 ACAATCAGTGTCCAGTCTGAGTTCATCTGAGGCTGGACCAGACCCTGAGTGTGGCAGGGGAAGATAT
 TGGTGAAGACCTGTTCTCTGAGGCCCTGGGCCGGCAGTGGGGCAGTGGGGCGGGCCAAGCTGCTGGAC
 CATGGCTGTGGAGAGCAGCATTCTGGATTCTCTGCGGGCTCTGCTCCCCACTACGAGGTGTTTGTGG
 CGCTGAGGGGGCTGAGGAATCTGTGAGAGAAAATCGAGACAAGCTGGACCACTGCCTTCAGGAAGCCTC
 TCCCCGCTACAAGTCCCTGCGGTTCTGGGGCAGCGTGGGCCCTGCCAGAGTCCACCTGGTGGGGCAGGGA
 GCCTTCCGAGCACTCCGGGCAGCCCTCGCTGCCTGCCCTCTCCCCCTCCCCCTGCCATGCCCCGGG
 TCCTTCGGCACAGGCACCTGGCCAGTGTCTGCAGGAGAGGGTGGTGTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG202272 representing NM_032484
 Red=Cloning site Green=Tags(s)

MLLWPLLLLLLLLLPTLALLRQORSQDARLSWLAGLQHRVAWGALVWAATWQRRRLEQSTLHVHQSQQQAL
 RWCLQGAQRPHCSLRRSTDI STFRNHLPLTKASQTQQEDSGEQPLPPTSNDLGEASLQATLLGLAALNK
 AYPEVLAQGRARVTLTSPWPRPLPWPGNLQVGTGPKDPRALLLDALRSPGLRALEAGTAVELLDVF
 LGLETDGEELAGAI AAGNPGAPLRERAELREALEQGPRLALRLWPKLQVVVTL DAGGQAEVAALGAL
 WCQGLAFFSPAYAASGGVGLNLQPEQPHGLYLLPPGAPFIELLPVKEGTQEEAASL LLAEAQQGKEYE
 LVLTDRA SLTRCRLGDVVRVVGAYNQCPVVRFCRLDQTL SVRGEDIGEDLFSEALGRAVQWAGAKLLD
 HGCVESSILDSSAGSAPHYEVFVALRGLRNLSEENRDKLDHCLQEASPRYKSLRFWGSVGP PARVHLVQG
 AFRALRAALAACPSSPFPAMPVRVLRHRHLAQCLQERVVS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032484

ORF Size: 1590 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_032484.5](#)

RefSeq Size: 2649 bp

RefSeq ORF: 1593 bp

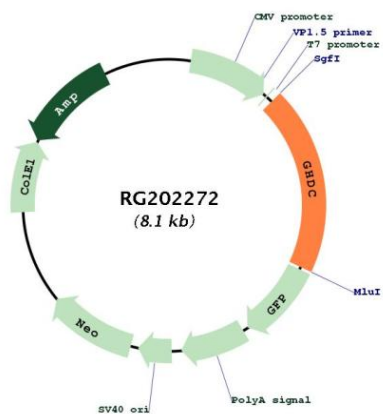
Locus ID: 84514

UniProt ID: [Q8N2G8](#)

Cytogenetics: 17q21.2

Domains: GH3

Product images:



Circular map for RG202272