

## Product datasheet for **RG206068**

### CDHH (CDH13) (NM\_001257) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDHH (CDH13) (NM_001257) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDHH
Synonyms:	CDHH; P105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG206068 representing NM\_001257  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGCCGAGAACTCCGCTCGTTCTGTGCGTTCTCCTGTCCCAGGTGCTGCTAACATCTCGAGAAG  
 ATTTGGACTGCACTCCTGGATTTTCAGCAGAAAGTTCATATCAATCAGCCAGCTGAATTCATTGAGGA  
 CCAGTCAATTCTAACTTGACCTTCAGTACTGTAAAGGAAACGACAAGCTACGCTATGAGGTCTCGAGC  
 CCATACTCAAGGTGAACAGCGATGGCGGCTTAGTTGCTCTGAGAAACATAACTGCAAGTGGGCAAACTC  
 TGTTCTGCCATGCACGGACCCCATGCGGAAGATATGGCAGAACTCGTGATTGTCGGGGGAAAGACAT  
 CCAGGGCTCCTTGCAAGATATTTAAATTTGCAAGAATTCTCCTGTCCCAAGACAAAAGAGGTCCATT  
 GTGGTATCTCCATTTAAATCCAGAGAATCAGAGACAGCCTTCCCAAGAGATGTTGGCAAGGTAGTGC  
 ATAGTGACAGGCCAGAAAGGTCCAAGTTCGGCTCACTGGAAAGGGAGTGGATCAAGAGCCTAAAGGAAT  
 TTTCAGAATCAATGAGAACACAGGGAGCGTCTCCATGACACGGACCTTGGACAGAGAAGTAAATCGCTGTT  
 TATCAACTATTTGTGGAGACCACTGATGTCATGGCAAACTCTCGAGGGCCGGTGCCTCTGGAAGTCA  
 TTGTGATTGATCAGAATGACAACCGACCGATCTTCGGGAAGGCCCTACATCGGCCACGTCATGGAAGG  
 GTCACCCACAGGCACCACAGTGTGCGGATGACAGCCTTTGATGCAGATGACCCAGCCACCATAATGCC  
 CTCCTGCGGTATAATATCCGTGCGCAGACGCTGACAAGCCATCTCCCAACATGTTCTACATCGATCCTG  
 AGAAAGGAGACATTGTCCTGTTGTGTCACCTGCGCTGCTGGACCGAGAGACTCTGGAAAATCCCAAGTA  
 TGAAGTGCATCGAGGCTCAAGATATGGCTGGACTGGATGTTGGATTAAACAGGCACGGCCACAGCCACG  
 ATCATGATCGATGACAAAAATGATCACTCACAAAATTCACCAAGAAAGAGTTTCAAGCCACAGTGGAG  
 AAGGAGCTGTGGAGTTATTGTCAATTTGACAGTTGAAGATAAGGATGACCCCGCCACAGGTGCATGGAG  
 GGCTGCCTACACCATCATCAACGAAACCCCGGGCAGAGCTTTGAAATCCACACCAACCCCTCAAACCAAC  
 GAAGGGATGCTTTCTGTTGTCAAACATTGGACTATGAAATTTCTGCCTTCCACACCCTGCTGATCAAAG  
 TGGAAAATGAAGACCCACTCGTACCCGACGCTCTCTACGGCCCCAGCTCCACAGCCACCCTCCACATCAC  
 TGTCTGGATGTCAACGAGGGCCAGTCTTCTACCCAGACCCATGATGGTGACCAGGCAGGAGGACCTC  
 TCTGTGGCAGCGTGTGCTGACAGTGAATGCCACGGACCCGACTCCCTGCAGCATCAAACCATCAGGT  
 ATTCTGTTTACAAGGACCAGCAGGTTGGCTGAATTAACCCCATCAATGGGACTGTTGACACCACAGC  
 TGTGCTGGACCGTGAGTCCACATTTGTCGACAACAGCGGTACTACTGCTCTTCTTCTGGCAATTGACAGT  
 GGCAACCTCCCGCTACGGGCACTGGGACTTTGCTGATAACCCTGGAGGACGTGAATGACAATGCCCGT  
 TCATTTACCCACAGTAGCTGAAGTCTGTGATGATGCCAAAAACCTCAGTGTAGTCAATTTGGGAGCATC  
 AGATAAGGATCTTCAACCGAATACAGATCCTTTCAAATTTGAAATCCACAACAAGCTGTTCTGATAAA  
 GTCTGGAAGATCTCAAGATCAACAATACACACGCCCTGGTAAGCCTTCTTCAAATCTGAACAAAGCAA  
 ACTACAACCTGCCATCATGGTGACAGATTGAGGAAACCCATGACGAATATCACAGATCTCAGGGT  
 ACAAGTGTGCTCCTGCAGGAATTCAAAGTGGACTGCAACGCGGGGGGCCCTGCGCTTCAGCCTGCC  
 TCAGTCTGCTCCTCAGCCTCTTACGCTTAGCTTGCTG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG206068 representing NM\_001257  
 Red=Cloning site Green=Tags(s)

MQPRTPLVLCVLLSQVLLLTSAEDLDCTPGFQQKVFHINQPAEFIEDQSILNLTFSACKGNDKLRVEVSS  
 PYFKVNSDGGVALRNITAVGKTLFVHARTPHAEDMAELVIVGGKDIQGSLODIFKFARTSPVPRQKRSI  
 VVSPILIPENRQPFPRDVGKVVSDSRPERSKFRLTGKVDVQEPKGI FRINENTGSVSMTRTLDREVIAY  
 YQLFVETTDVNGKTLEGPVPLEVIDQNDNRPIFREGPYIGHVMEGSPGTGTTVMRMTAFDADDDPATDNA  
 LLRYNIRRQTPDKPSPNMFYIDPEKGDIVTVVSPALLDRETLENPKYELIEAQDMAGLDVGLTGTATAT  
 IMIDDKNDHSPKFTKKEFQATVEEGAVGVIVNLTVEDKDDPATGAWRAAYTIINGNPGQSFEIHTNPQTN  
 EGMLSVVKPLDYEISAFHTLLIKVENEDPLVPDVSYGPSSTATVHITVLDVNEGPFVYPDMMVTRQEDL  
 SVGSVLLTVNATDPDSLQHTIRYSVYKDPAGWLNINPINGTVDTTAVLDRETFVDNSVYALFLAIDS  
 GNPPATGTGTLITLEDVNDNAPFIYPTVAEVCDDAKNLSVVILGASDKDLHPNTDPFKFEIHKQAVPDK  
 VWKISKINNTHALVSLQLNKNANYNLPIMVTDSGKPPMTNITDLRVQVCSRNKSKVDCNAAGALRFSLP  
 SVLLLSLFLACL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001257

**ORF Size:** 2139 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\\_001257.3](#), [NP\\_001248.1](#)

**RefSeq Size:** 3842 bp

**RefSeq ORF:** 2142 bp

**Locus ID:** 1012

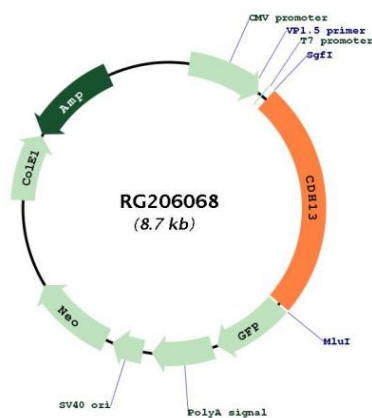
**UniProt ID:** [P55290](#)

**Cytogenetics:** 16q23.3

**Domains:** CA

**Gene Summary:** This gene encodes a member of the cadherin superfamily. The encoded protein is localized to the surface of the cell membrane and is anchored by a GPI moiety, rather than by a transmembrane domain. The protein lacks the cytoplasmic domain characteristic of other cadherins, and so is not thought to be a cell-cell adhesion glycoprotein. This protein acts as a negative regulator of axon growth during neural differentiation. It also protects vascular endothelial cells from apoptosis due to oxidative stress, and is associated with resistance to atherosclerosis. The gene is hypermethylated in many types of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2011]

### Product images:



Circular map for RG206068