

## Product datasheet for **RC231967**

### CDHH (CDH13) (NM\_001220492) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CDHH (CDH13) (NM\_001220492) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CDH13  
**Synonyms:** CDHH; P105  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC231967 representing NM\_001220492  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGCCGAGAACTCCGCTCGTTCTGTGCGTTCTCCTGTCCCAGGTGCTGCTGCTAACATCTGCAGAAG  
ATTTGGACTGCACTCCTGGATTCAGCAGAAAGTGTCCATATCAATCAGCCAGCTGAATTCATTGAGGA  
CCAGTCAATTCTAACTTGACCTTCAGTGACTGTAAAGGAAACGACAAGCTACGCTATGAGGTCTCGAGC  
CCATACTCAAGGTGAACAGCGATGGCGGCTTAGTTGCTCTGAGAAACATAACTGCAGTGGGCAAACCT  
TGTTTCGTCATGCACGGACCCCCATGCGGAAGATATGGCAGAACTCGTGATTGTCGGGGGAAAGACAT  
CCAGGGCTCCTTGAGGATATATTTAAATTTGCAAGAACTTCTCCTGTCCCAAGACAAAAGAGGTCCATT  
GTGGTATCTCCATTTTAATCCAGAGAATCAGAGACAGCCTTTCCCAAGAGATGTTGGCAAGATGAAGA  
TTTGGCAAGTTCTGTGCCTAGCACGATGGCTGACA

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC231967 representing NM\_001220492  
Red=Cloning site Green=Tags(s)

MQPRTPLVLCVLLSQVLLLSAEDLDCTPGFQQKVFHINQPAEFIEDQSILNLTFSACKGNDKLRVEVSS  
PYFKVNSDGGGLVALRNITAVGKTLFVHARTPHAEDMAELVIVGGKDIQGSQDIFKFARTSPVPRQKRSI  
VVSPIILIPENRQPFPRDVGKMKIWQVLCARWLT

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI





<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001220492.2</a>
<b>RefSeq Size:</b>	1006 bp
<b>RefSeq ORF:</b>	528 bp
<b>Locus ID:</b>	1012
<b>UniProt ID:</b>	<a href="#">P55290</a>
<b>Cytogenetics:</b>	16q23.3
<b>MW:</b>	20.1 kDa
<b>Gene Summary:</b>	<p>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]</p>