

## Product datasheet for **SC331766**

### CDHH (CDH13) (NM\_001220489) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDHH (CDH13) (NM_001220489) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDHH
Synonyms:	CDHH; P105
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC331766 representing NM\_001220489.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCAGCCGAGAACTCCGCTCGTTCTGTGCGTTCTCCTGTCCCAGGTGCTGCTGCTAACATCTGCAGAA
GATTTGGACTGCACTCCTGGATTCAGCAGAAAAGTGTTCATATCAATCAGCCAGCTGAATTCATTGAG
GACCCAGTCAATTTAACTTGACCTTCAGTGACTGTAAGGGAAACGACAAGCTACGCTATGAGGTCTCG
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CGGACCTTGGACAGAGAAGTAATCGCTGTTTATCAACTATTTGTGGAGACCACTGATGTCATGGCAAAA
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GAAGGCCCTACATCGGCCACGTATGGAAGGGTCAACCCAGGCCACACAGTATGCGGATGACAGCC
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CTGCTGGACCGAGAGACTCTGAAAAATCCAAGTATGAACTGATCATCGAGGCTCAAGATATGGCTGGA
CTGGATGTTGGATTAACAGGCACGGCCACAGCCACGATCATGATCGATGACAAAAATGATCACTACCA
AAATTCACCAAGAAAGAGTTTCAAGCCACAGTCGAGGAAGGAGCTGTGGGAGTTATTGTCAATTTGACA
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GACTATGAAATTTCTGCCTTCCACACCTGCTGATCAAAGTGGAAAAATGAAGACCACTCGTACCCGAC
GTCTCCTACGGCCCCAGCTCCACAGCCACCGTCCACATCACTGTCTGGATGTCAACGAGGGCCAGTC
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TGCTGAAATTAACCCCATCAATGGGACTGTTGACACCACAGCTGTGCTGGACCGTGAGTCCCATTTT
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GTCTGTGATGATGCCAAAAACCTCAGTGTAGTCATTTTGGGAGCATCAGATAAGGATCTTACCCGAAT
ACAGATCTTTCAAATTTGAAATCCACAAACAAGCTGTTCTGATAAAGTCTGGAAGATCTCAAGATC
AACATAACACACGCCCTGGTAAGCCTTCTCAAATCTGAACAAAGCAAACCTACAACCTGCCATCATG
GTGACAGATTGAGGAAACCCATGACGAATATCACAGATCTCAGGGTACAAGTGTGCTCCTGCAGG
AATTCAAAGTGGACTGCAACGGCGCAGGGCCCTGCGCTTCAGCTGCCCTCAGTCTGCTCCTCAGC
CTCTTCAGCTTAGCTGTGTA
  
```

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001220489

**Insert Size:** 2025 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001220489.1](#)

**RefSeq Size:** 3911 bp

**RefSeq ORF:** 2025 bp

**Locus ID:** 1012

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

**Cytogenetics:** 16q23.3

**MW:** 73.8 kDa

**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]

Transcript Variant: This variant (3) lacks an in-frame exon in the coding region, compared to variant 1. It encodes isoform 3, which is shorter than isoform 1.