

Product datasheet for **SC107114**

CDH20 (NM_031891) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDH20 (NM_031891) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDH20
Synonyms:	Cdh7; CDH7L3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC107114 sequence for NM_031891 edited (data generated by NextGen Sequencing)

```
ATGTGGACTTCTGGTAGAATGAGCAATGCAAAGAACTGGCTTGGACTTGGCATGTCCTTG
TACTTCTGGGGGCTGATGGACCTTACGACCACCGTTTCTCTCGGACACCCCAACACCACAA
GGTGAATTAGAAGCACTCCTGTGACAGCAAGCCACAGTCACATCAGCGGACCAAGAGGAGC
TGGGTTTGAACCAAGTTCGTTCTGGAAGAGTACACTGGGACCGACCCCTTGTATGTC
GGCAAGTTCATTGAGATATGGACAGGGGAGACGGATCCATCAAATACATCCTCTCGGGA
GAAGGTGCTGGCATCGTGTTTACCATCGACGACACCCACTGGAGACATCCACGCCATTCAG
AGGCTCGATCGAGAGGAAAGAGCCAGTATACTCTAAGGGCTCAAGCCCTAGACAGGCGG
ACGGGCAGGCCAATGGAGCCCGAGTCAGAGTTCATCATCAAAATCAAGACATCAATGAC
AATGAGCCCAAGTTCCTGGACGGACCTTATGTGGCCACTGTGCCAGAAATGTCCCCTGTG
GGTACCTCCGTCAATCAAGTACAGCCACAGATGCAGATGACCCGACCTACGGCAACAGT
GCCAGGGTGGTACAGCATTCTCAGGGCCAGCCATATTTTTCTGTGGACTCTAAAACA
GGTGAATTAGGACAGCGCTCATGAACATGGACAGAGAAGCCAAAGAATACTACGAAGTG
ATTATCCAAGCCAAGGACATGGGAGGGCAGCTTGGAGGATTAGCTGGGACCACAACAGTG
AACATCACCCCTCAGATGTCAATGATAACCCACCCCGCTTCCCAAGAACATTACCAG
ATGAGTGTGTTGGAATCAGCTCCAATTAGCTCCACTGTCCGGGAGAGTGTTTGCCAAGGAC
TTGGATGAAGGCATCAATGCAGAGATGAAATATACTATTGTGGATGGAGATGGTGCAGAT
GCCTTTGACATTAGCACAGATCCCAATTTCCAAGTTGGTATCATAACTGTGAAGAAGCCC
CTGAGTTTTGAAAGCAAGAAAAGCTACACCTTAAAGGTGGAGGGAGCCAACTCCTCACCTA
GAGATGCGTTTTCTGAACCTGGGCCATTTAGGACACAACAACAGTGCACATCAGTGTG
GAAGACGTGGACGAGCCCGCTGTGTTGAACTGGCTTTACTTTGTGGAGGTGCCTGAG
GATGTGGCGATTGGAACAACCATACAGATCATTCTGCCAAGGACCCAGATGTGACCAAC
AACTCAATCAGATACTCCATTGATAGAAGCAGTGACCCTGGAAGATTTTTCTATGTTGAC
ATTACAACAGGTGCCCTAATGACAGCAAGACCCCTAGACCGGGAAGAATTTCTTGGCAT
AATATCACTGTCCTTGCTATGGAATGAACAATCCCTCCCAGGTTGGAAGTGTTCCTGTC
ACAATCAAAGTCTTAGATGTGAATGACAATGCTCCAGAGTTCCCCAGATTCTATGAAGCT
TTTGTCTGTGAGAACGCCAAGGCAGGACAGCTGATCCAGACAGTGAAGTGCAGTGGACCA
GATGACCCACGCAATGGTCAGCATTCTACTACAGCTTGGCTCCTGAGGCTGCTAACAAC
CCCAACTTACCATAAGGGACAACCAAGATAACACAGCACGGATTCTAACAGGAGGTCT
GGTTTCCGGCAGCAGGAGCAGAGTGTCTTTCACCTGCCTATCCTGATAGCAGATAGCGGG
CAGCCCGTGTGAGCAGCACAGGCACACTGACCATCCAAGTGTGACAGTGTGATGACGAC
GGCCACGTGATGCTGACGCCAGAGGCTACATGCTCCAGTCAAGTTGAGCCGGGGC
GCCCTCATTGCCATCCTCGCCTGCATCTTTGTCCTCTTAGTGTGGTGTGCTCATTGTTG
TCCATGAGGGCGCACCGGAAACAACCATACATATCGACGACGAGGAAAACATCCACGAG
AACATCGTCCGCTACGACGACGAGGGCGGCGGAGGAGGACACCGAGGCCTTCGACATC
GCGGCCATGTGGAACCCCGGGAGGCGCAGGCGGGGGCCGCCCAAGACGCGGCAGGAC
ATGCTGCCGAGATCGAGAGCCTCTCCCGCTACGTGCTCAGACGTGCGCAGTGAACAGC
ACTGTCCACAGCTACGTGCTGGCCAAGCTCTACGAGGCCGACATGGACCTGTGGGCACCG
CCCTTCGACTCCCTCCAGACGTATATGTTGAGGGGGACGGCTCTGTGGCGGGTTCGCTG
AGCTCCCTGACGTGCGCCACGTGCGACTCGGAACAGAGCTTCGACTTCTGACGGACTGG
GGGCCCGCTTCCGGAAGCTGGCCGAGCTCTACGGGGCGTGGAGGGACCCGCGCCGCTG
TGGTGA
```

Clone variation with respect to NM_031891.2
369 c=>t;780 c=>g

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_031891 unedited</p> <pre>GGATTTTGTAAATACGATTTCACTATAGGGCGGCCGCAATTCGCACGAGGGGCAGCTACG TGAGCAGAACGCCCGCCCTGTGACAGTTAGGACCGAAGGTCTCCGGAGAGTCGCCGGCGG TGCCAGGAAGTCAACTTCAAGCAGATTGACTTGAAACGGGATCTCATTTAGGAAGCATAA GTGTCCAATCAAAAACCTGTGATTTTTTTTTTTGGAAAATACTCAAGTCCAGTTGCTT ATCATTCTCCTTCACTTTCTGAAAACCTGGCAATCCCATGTGGACTTCTGGTAGAATGAG CAATGCAAGAAGACTGGCTTGGACTTGGCATGTCCTTGTACTTCTGGGGGCTGATGGACCT TACGACCACCGTTCTCTCGGACACCCCAACACCAAGGTGAATTAGAAGCACTCCTGTC AGACAAGCCACAGTCACATCAGCGGACCAAGAGGAGCTGGGTTTGAACCAAGTTTTTCGT TCTGGAAGAGTACACTGGGACCGACCTTTGTATGTCGGCAAGCTTCATTCAGATATGGA CAGGGGAGACGGATCCATCAAATACATCCTCTCGGGAGAAGGTGCTGGCATCGTGTTTAC CATCGACGACACCACTGGAGACATCCACGCCATTAGAGGCTCGATCGAGAGGAAAGAGC CCAGTATACTCTAAGGGCTCAAGCCCTAGACAGGCGGACGGGCAGGCCAATGGAGCCCGA GTCAGAGTTCATCATCAAAATTCAGACATTAATGACAATGAGCCCCAGTTTCTGGACT GACCTTATGTTGGCCACTGTGCCAGAAATGTTCCCTGTGGGTACCTTCGTTATTCCAG TGACAGCCCAGATGCAGATGACCCGACCTACCGCACAGTGCCAGGTTGGTGTACAGAAT TCTTAAGGGCAGCCCTATTTTTTGTGGACTCTTAAACAGTGAATAATGCAGCGNCTCTGA ACATG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_031891 unedited</p> <pre>NTTCTCTCTGGACCCGCGCCGCAATCTAGNGATCGGTTTTTTTTTTTTTTTTTCTATT TAACTTTTATTAATAAAAAAGTGCTAAGGTAAGTACTGAGATGCAGTACATCATTTTATTACCA AATTATTAACAAATATACAAAACCTGTACATGTAAATTTCTTACATCCATTTATTCTCTA TAATACTGATTTTTGTTCAAGTAGGTTATCTACAGTATGTAACATCCCTTGGATTGACC TCACACAGATTAGGAAAGCCCTTAACCCATGCTTTTGTGAGATACTTCTTTTTTATTTG GCTTTTCATTTGTAGCATTAATCTCCACATTTGGCACATGGAAGAGACATCTACAGTGCA AAAGAGGCAGATTTTTCTGGTTTCATTCTGAACAATTTTGAGGGGCACAGTTAAATAGC TGAGAGGAGACACGAGCACTCTAAGTTGATGGCGTTGGATGAGCTGTAATGCCAACATCT CTTGGTTCAGCCACTAACTTGAGCATAAAGTCAATGTCTTTNNCCTTCACCCACCTCC CACCCATCCACCCCATGCAAGGCTGATTCAGTCTTAACCTTGTCTCAAAGGGTTACGG GAAATTCATCCATCCATCCAGAAAGTAGGTTAATTTCACTGAGTAACAAGTTTTTTGTTT TTTTCTTNGGGGTTGTTTCTGTGCTTTGAGCCAGCAAACCTTAAATGGAGAATAAGATA AGATAAAAAACAGATACGAGAGTAGAACTTTCTGCTTTAATTGGCATCTCTGTATTCAAG GCCAGAGCCTTTCTGTGGTGGAAAAGTGACAAAGGCCTTACGAAAGGCAGAAAAAGCCCA CCTTGTGAGAACCTTGGACTCCAACCCTTCGCACACGGGGCCGAAAAATCCAAAAGAA AGAAAAAAGGTATTTAAAATTCTGCCCTTTCCTA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_031891
Insert Size:	3750 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_031891.2](#), [NP_114097.2](#)

RefSeq Size: 2855 bp

RefSeq ORF: 2406 bp

Locus ID: 28316

UniProt ID: [Q9HBT6](#)

Cytogenetics: 18q21.33

Domains: Cadherin_C_term, CA

Protein Families: Druggable Genome

Gene Summary: This gene is a type II classical cadherin from the cadherin superfamily and one of three cadherin 7-like genes located in a cluster on chromosome 18. The encoded membrane protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Since disturbance of intracellular adhesion is a prerequisite for invasion and metastasis of tumor cells, cadherins are considered prime candidates for tumor suppressor genes. [provided by RefSeq, Jul 2008]