

## Product datasheet for **SC100923**

### CDHR3 (NM\_152750) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDHR3 (NM_152750) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDHR3
Synonyms:	CDH28
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_152750, the custom clone sequence may differ by one or more nucleotides

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ATGCAGGAAGCAATCATTCTCCTGGCTCTCCTGGGTGCCATGTCAGGGGAGAAGCACTACACCTAATCC
TCTTACCTGCTACAGGCAATGTGGCAGAGAATTCTCCACCTGGGACTTCAGTGCACAAGTTTTCTGTGAA
GTTATCAGCATCATTGTACCTGTGATCCCAGGATTTCCCAGATAGTCAACTCAATCCCCTCACTGAA
GCTTTTAGGGTGAATTGGCTGTACAGCACCTACTTTGAGGTTGTCAACCTGGGATGGAACAAGTATTG
TTGAAACAGGACCAAAACATATTTGATTTGCAGATTTATGTGAAGGATGAGGTTGGTGTACAGACCTGCA
AGTCTGACTGTCCAGGTAACAGATGTGAACGAGCCACCTCAGTTTCAAGGCAACTTGGCAGAAGGTCTA
CACCTCTACATAGTAGAAAGAGCAAACCCTGGATTCATTTACCAGGTTGAGGCCTTCGATCCAGAAGACA
CAAGCCGAAACATTCCCCTCAGTTATTTCTGATTTCTCCCCAAAGAGCTTCAGAATGTCTGCTAATGG
CACCTCTTCTCCACAACAGAATTGGACTTTGAAGCAGGACACAGAAGTTCCATCTCATCGTGGAGGTG
AGGGACAGTGGAGGCTCAAAGCCTCCACAGAGCTCCAGGTGAACATCGTGAACCTCAACGACGAAGTCC
CTCGCTTTACCAGCCGACAGAGTGTACACAGTCTGGAGGAAGTGAAGTCCAGGAACCATCGTGGCCAA
TATCACAGCGGAGGATCCTGATGATGAAGTTTTCCAGCCACCTCCTCTACAGCATTACCACTGTTAGC
AAATATTTTCATGATAAATCAGTTGACTGGTACAATCCAAGTGGCCCAAAGGATAGACCGAGATGCAGGTG
AATTGAGACAAAAATCCCACCATTTCCCTGGAAGTTCTAGTGAAGGACAGACCATATGGGGTTCAGGAGAA
TCGCATCCAGATAACCTTCATTGTGGAAGACGTCAACGACAATCCTGCCACATGCCAAAAGTTCACTTC
AGCATTATGGTGCCGAAAGAACAGCCAAGGGGACGTTGCTTCTTGACCTAAACAAGTTCTGCTTTGATG
ATGACAGTGAGGCACCAACAACAGATTCAACTTCACCATGCCATCTGGAGTGGGAGCGGCAGCAGATT
TTTACAGGATCCAGCTGGCTCTGGGAAGATTGTGCTGATTGGTGTCTAGACTACGAAAAATCCAAGTAA
CTAGCAGCCGCAATAAATATACGGTGATAATCCAGGTGCAGGATGTGGCCCCCTTACTATAAAAAATA
AGGTCTACGTTTTATATCCTAACAAAGCCAGAAAAATGAGTTTTCTCTCATTTTTGATAGGCCATCCTATGT
ATTTGATGTGTGACAAAAGAGGCCGCCAGAACCCGAGTGGGACAGGTGCGAGCCACTGATAAAGACCTC
CCCCAGAGCAGCCTCCTGTACTCCATCTCCACTGGAGGGCCAGCCTCCAGTATCCAAATGTATTTTGA
TTAATCCCAAGACAGGAGAACTCCAGCTGGTAACTAAAGTGGACTGTGAAACAACCCCCATCTATATTCT
CAGAATCCAGGCCACCAACAACGAAGACACAAGCTCTGCTACTGTTACTGTGAACATCCTGAAGAAAAAT
GATGAAAAGCCAATTTGACTCCAACTCTTATTTCTGGCCCTCCAGTGGATCTGAAAGTTGGCACAA
ATATTCAGAAATTCAGCTGACATGTACCGACCTTGATTCAGCCCCAGATCTTCCGTTATTCATTGG
CCCAGGTAACGTCAACAATCATTTCACCTTCTCTCCCAATGCTGGTTCCAATGTCACACGCCTGCTGCTT
ACATCTCGCTTTGACTATGCTGGTGGGTTTGATAAGATCTGGGACTACAAGCTACTTGTCTACGTAAGT
ATGACAACCTTGATGTCTGACAGGAAGAAAGCGGAGGCTCTTGTGAGACAGGAACAGTGACACTGAGTAT
TAAAGTCAATCCCACCAACCCTATCATCACACGACCCCCAGGCCAGGGTCACTATCAGGTCCTG
AGGAAAAACGTTTACTCTCCATCTGCATGGTACGTGCCGTTTGTGATCACTTTGGGCTCCATATTGCTTC
TGGGCTCCTCGTGTACCTGGTCTGCTATTGGCCAAAGCCATCCACAGACACTGCCCTGCAAGACTGG
GAAGAACAAGGAACCTCTGACAAAGAAAGGAGAAACGAAGACTGCAGAGAGAGACGTCGTGGTGGAACT
ATCCAGATGAACACTATCTTTGATGGAGAAGCCATAGATCCAGTGACCGGGGAAACATATGAATTCAACT
CAAAAAGTGGAGCCAGAAAGTGGAAAGATCCACTAACCCAAATGCCAAAATGAAAAGAGTCCAGCCACCA
GGGAGCTGCCCCACGCAGAGTCACTGCTGGGGAAGGGATGGGGTCACTGAGAAAGTCCAAGTGGGAAGAA
GATGAGCTGAGTGGCAAAGCGTGGGCTGAGGATGCTGGTCTGGTTCCAGAAATGAGGGTGGCAAGCTGG
GCAACCCAAAGAACAGAAATCCAGCCTTCATGAACAGGGCTTACCCCAAACACACCCAGGAAAGTAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_152750 unedited</p> <pre>GCATTTTGTAAATACGACTCACTATTAGGGCGGCCGCAATTCGCACGAGGGCCGAGCCAG GGAAGGGACCCTGGTGACCTCGCCTCCCAGCCCTACCCCCGTACCCCTTTCTTCTCTT TCCTGGAGGACTTTGGACCATGGAGATTCTGCAGTTGTTGCTCTAGGAGCTGAAACCACT GGGTAGATGTCGTTCTGAAACGCAGGTTGTCACTGGGATGGAACAACCTAGATTTTGA AACAGGACCAACATATTTGATTTGCAGATTTATGTGAAGGATGAGGTTGGTGTCACAGA CCTGCAAGTCTGACTGTCCAGGTAACAGATGTGAACGAGCCACCTCAGTTTCAAGGCAA CTTGGCAGAAGCCCGACACGAGTGTACACAGTCCCTGGAGGAACTGAGTCCAGGAACCATC GTGGCCAATATCACAGCGGAGGATCCTGATGATGAAGTTTTCCAGCCACCTCCTCTAC AGCATTACCACCTGACTGGTACAATCCAAGTGGCCCAAAGGATAGACCGAGATGCAGGTG AATTGAGACAAAAATCCCACCATTTCCCTGGAAGTTCTAGTGAAGGACAGACCATATGGGG GTCAGGAGAATCGCATCCAGATAACCTTCATTGTGGAAGACGTCAACGACAATCCTGCCA CATGCCAAAAGTTCACCTTCAGCTGATTGGTGATCTAGACTACGAAAATCCAAGTAACCT AGCAGCCGGCAATAAATATACGGTGATAATCCAGGTGCAGGATGTGGCCCCCCTTTACT ATAAAATAACGTCTACGTTTATATCCTAACAGCCAGANNAATGAGTTCTCTCATTTTTT GATAGGCCATCCTATGTATNTGATGTGTGAGAAAGAAGGCCNNGNAGAACCCGAGTGGGA CAGGTGCGAGCCACTGATAAGACCTCCCNAGACAGNCTNCTGTACTCATCTCACTGGNA GGCCAGNCTCATATNCAATGTATNTGGNNATATCCAGNACAGAGAACTCACTG</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_152750 unedited</p> <pre>AAAATGGGGTTTTATTCTTATTTTCGNATAGGNAGTCTGCTTTGTACCCAGGCTAGAGT GCTTTGGCACAATCTCAACTCACTGCAACCTCCACCTCTCGGTTAAGCAGTTCTCCCTA CCTCAGCCTCCCAGTAGCTGGGATTACATGTGCCACCACCACACCAAGTAATTTTTGT ATTTTTTAGTAGAGACAGGGTTTTGCCATCAAGTCCATGCTGATCTTGAACCTCCTGACCT TAGGTGATCTGCCACCTTGTAAAGTGTGGCATTACAGGCATGAGCCATCATGCCCTG CCTGTAGTTCACTTTAAGTATATTTTTAAAAGTAAAAAATCTGAAGCAGCTGCCACCC AAGTGTAGAATAGATAAATTTGTGATATAATCATAGAATGAAACCAGACATAACCATGAAG AGAAGTGAAGTACTGCTAGACAGGACAACGTGGATGAATCTCACATGCAGGATGCTGATC CGGACACCACACGAAAAAACATAAGAAGTGCCTACTGAGTTTTCTTCTTTCCAGATGAC CAACTCTTAACCTACTCATCTGTTTTTTTCACTGTTCTGCTTCTTTTGAAGAAGATTGA GGTGACTTACAAAAGGTGTATGGCATATTTATAACTGAAGAAATCTGGGTGATGTTAAAAAC GAGGGCAGGAAAAATAAGTGGAAACCAGATGTAAGGATAGTCTTCACTATTTATGTCAGG AATTCTACAACTTTCTATGGTGAACAGAAATAGAACTTCTAGCAGTCAATGCCAACAA GAACCACTACAATCCACACCCCAAAGTTAACAGTCTTGCTAATCAACAACCACAGTAG TTCTGAAAATCTGATAGAAAATGTTCTGTATAATTTAGACCACCAACTATGGTGATC AAACCCCTTTCCGATTGG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152750
<b>Insert Size:</b>	3500 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_152750.2](#), [NP\\_689963.2](#)

**RefSeq Size:** 6500 bp

**RefSeq ORF:** 2658 bp

**Locus ID:** 222256

**UniProt ID:** [Q6ZTQ4](#)

**Cytogenetics:** 7q22.3

**Protein Families:** Transmembrane

**Gene Summary:** Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.