

Product datasheet for **SC326194**

Protocadherin 23 (DCHS2) (NM_001142553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protocadherin 23 (DCHS2) (NM_001142553) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protocadherin 23
Synonyms:	CDH27; CDHJ; CDHR7; PCDH23; PCDHJ
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001142553, the custom clone sequence may differ by one or more nucleotides

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ATGAGCCCTTGTGGGCGGAAGATGGGCGAAGGGCGTCAGCAGCGGCGGGCTCCGGTCGGG
AAGCTCCTTCTGCTCCCCGGGAGAGAGATACACCCATGGGCGGTGAGGAGCAGCGGC
GCCAGGACGACGCTCCCTGCTCTGGCTCTTGGTGCAGTGTGGCTGTGGGCGGCTCG
GGCTCCTCTGCCAGTTGTTCAACCTCACCTTTCCGTAGATGAGGGGCTTCCCCGGAC
ACGCTGGTAGGTGACATCCGCGCCGGGCTGCCGCGCGCAGCAGCAGGAGGGGAGCGGC
TTCTTTCTGTCGGAGGACTCCGATGACTCCCCGCTGCTGGACGACTTCCAGTGCACCCG
GACACCGGCATCATCCGCACTGCGCGGCGCTGGACCGCAGCGCGGGACCACTACAGC
TTCGTCGCGCCACGCTGCTGGGCGCTGTGGTGCAGGTGGAGATTGCGCTCAACGACGTG
AATGACCACTCGCCCGCTTTCCCTCGACTCCCTGCAACTCGACGTCTCCGAGCTCAGC
CCGCCAGGACCGCTTCCGCTGCCAGTTGCCACGATCCGACGCGGACTGTTCAGC
ACTCAGGGCTACACCTGGTGCAACGTCGACCTGCCAAGGACCCCGAGGCCGTTTC
TTCCAGTTGCGCTACCGACTCCGGGGCCACTACCGTACCGCTTTTCCAGGCTCCTCG
TCACCCCTGGAGCCTCTAGATCTGGTGTGCTGCGGCGCTTGGACCGAGAGGAGCGGCG
GCGCACCGGCTGCAGATCGAGGCATGGGACGGCGCGCCACCCCGCGCACCGGCCCTCTG
AGCGTGGAGCTGCGCGTCTGGATGAGAACGACAACCCGCGGCTTTGAGCAGGACGAG
TACCGCGCCGCGGTGCGCGAGGACGCCAGCGGGCGCGAGGTCTGTCGCTGCGCGCC
ACCGACCGCGACCTGGGGCCCAATGGCTTCGTGCGCTACAGCGTCCGCGCCCGGCAAGTG
CCTGGGGCGGGTAGCGGCGGGCGGGCACTGGGCGACGCGGCTACTTCGCGGTGGAGGAG
CTGAGCGGCGTGGTGGAGTGTGGAGACCTCTGGACCGCAGGACAGGCTGGCACCAG
TTGGTGGTGGAGGCCCGCATGGAGGCGCGGAGCTGAGGTTGCCACGGTGGCGGTGTCC
ATCGCCGTGCTGGACGTGAATGACAACCGGCCAGCAATTCACGTGCTCTTCTCACAGAG
GGAGGCGTCGCGCGTGTCTCTGAAGGCGCCGACCGGGCGACTACGTGGCTCGCGTCTCG
GTGTCTGACGCGGACGGTGACTGGGAGAAGGAAGATGAGGCCACAGGGGAGCTTGGTGTG
GGTCTTGGAGACGGGAGCATCTCTGTCTTGAAGGCGGAGAGGGAGACTTCGCGTTG
CTACCCGCGCGCCCCCAGGGGATTTTTCTTTGCGTGGAGGGGCCCTGGACAGAGAG
AGCCGCGATCTGTATGAGTTACTACTGGTGCCACGACGCGGGTCCCCGCGCTGAGC
ACGGAGGAGACGCTGCTACTCCGGTCGCTGACCTCAATGACCAACCACTCTTTCAGC
CAACAGCATTACAAGGCCTCAGTGTCCGAGGCCGCGGCCCTGGCACTGTAGTCATGTGG
GTCAGCGCCTCCGATGCCGACGAGGAGGAGGATGATCACGCTGGCTGCGCTACACTGTA
GTCCAACCTCTCGCTCCCTGCAATCTCGCTCCCTGCAATCAAAGATGGTCCACACCGCA
GAGTGTGGACCATCTTTTGCCATTGATTCCGAAAGCGGTGCGATCAGCACTATCCGGACT
CTAGACCGAGAGGTCCAGGAGGCGGTGGAGCTGAAAGTGGTGGCCAGGACCTCGGAGAG
CCCCACTCTCTGCCACCTGCCTGGTGGAGCATACCGTAGATGATGTGAATGACAATGAG
CCCATCTTCTGGAGGCGAGGTGTACAATGCCACCATTCAGAGCATGCCCGGTTGGACAC
TGCTTTCTGCAGCTTATATCTGCTCAAGTTGCCTTTGTCAAAATCAAACAAAAACAAAG
GAAATACAGGAAAAACAAATCTTGCC
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Restriction Sites: Please inquire

ACCN: NM_001142553

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001142553.1, NP_001136025.1</u>
RefSeq Size:	2553 bp
RefSeq ORF:	2130 bp
Locus ID:	54798
Cytogenetics:	4q31.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a large protein that contains many cadherin domains and likely functions in cell adhesion. Genome-wide association studies suggest that this gene may be important in Alzheimer's disease, compressive strength index, and appendicular lean mass. [provided by RefSeq, May 2017] Transcript Variant: This variant (3) does not overlap with variant 1 but does overlap with the 5' end of variant 2. The resulting isoform (3) has the same N-terminus but a much shorter and distinct C-terminus compared to isoform 2. Isoform 3 does not overlap with isoform 1.