

Product datasheet for **SC326373**

Protocadherin 23 (DCHS2) (NM_001142552) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protocadherin 23 (DCHS2) (NM_001142552) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protocadherin 23
Synonyms:	CDH27; CDHJ; CDHR7; PCDH23; PCDHJ
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001142552, the custom clone sequence may differ by one or more nucleotides

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ATGAGCCCTTGTGGGCGGAAGATGGGCGAAGGGCGTCAGCAGCGGCGGGCTCCGGTCGGG
AAGCTCCTTCTGCTCCCGGGAGGAGAGATACACCCATGGGCGGTGAGGAGCAGCGGC
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GTCCAACCTCTCGGCTCCCTGCAATCTCGGCTCCCTGCAATCAAAGATGGTCCACACCGCA
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AGACCTATGCCTCTGAAGGGAAAAACAGCATTTGGGAAGCAGTCGTGAAAAACAAACA
AACAAACAAACAAACAAATCCTGACC

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Restriction Sites:

Please inquire

ACCN:

NM_001142552

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_001142552.1</u> , <u>NP_001136024.1</u>
RefSeq Size:	5064 bp
RefSeq ORF:	4110 bp
Locus ID:	54798
UniProt ID:	<u>Q6V1P9</u>
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 (2) contains an alternate 3' terminal exon and lacks several 3' coding exons, compared to variant 3. It encodes isoform 2, which is shorter and has a distinct C-terminus, compared to isoform 3.