

Product datasheet for **SC305559**

Protocadherin 21 (CDHR1) (NM_033100) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protocadherin 21 (CDHR1) (NM_033100) Human Untagged Clone
Tag:	Tag Free
Symbol:	Protocadherin 21
Synonyms:	CORD15; PCDH21; PRCAD; RP65
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_033100, the custom clone sequence may differ by one or more nucleotides

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ATGAGGCGCTGCCGGTGGGCCGCCCTGGCCCTGGGGCTGCTGCGCCTCTGCTTGGCTCAG
GCCAACTTCGCCCCGCACTTCTTCGACAACGGGGTCGGCAGCACCAACGGAAACATGGCT
CTGTTACAGCTCCAGAGGACACCCCTGTAGGCTCTCACGTATACACCCTGAATGGGACA
GACCCTGAGGGAGACCCCATCTCCTACCACATCAGCTTTGACCCAGCACTAGAAGCGTC
TTTTCTGTTGACCCCACTTTTGGAAACATCACCCCTGGTTGAAGAGCTGGACAGAGAGAGG
GAAGATGAGATTGAAGCCATCATCAGCATTTCTGATGGCCTGAATCTGGTGGCCGAAAAA
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GTTGCCCTGGTTCCCGAGGACATACCTGCTGGGAGCATCATCTTTAAGGTCCATGCAGTG
GACAGGGACACAGGCTCTGGAGGGAGTGTACCTACTTCTGCAGAACCTGCACTCCCCA
TTTGCCGTGGACCGCCACAGCGGTGTGCTGCGCCTCCAGGCTGGGGCCACTCTGGACTAC
GAGAGGTCCCGGACCCACTACATCACCGTGGTCGCCAAGGATGGCGGTGGGAGGTTTCAT
GGGGCTGATGTGGTGTCTCAGCCACCACCGGTACCGTCAATGTGGAGGATGTTTCAG
GACATGGCCCCTGTCTTCTGGGCACACCCTACTATGGCTATGTGTACGAGGACACCCTT
CCGGGCTCGGAGGTAAGGTTGGTCCGATGGATGGAGACCGGGCAAACCCAATCGA
ATTCTCTACAGCCTTGTAAATGGGAACGATGGAGCCTTTGAAATTAATGAGACATCTGGA
GCCATCTCCATCACTCAGAGCCCGGCCAGCTCCAGAGAGAGGTGTATGAGCTGCATGTA
CAGGTGACTGAAATGAGCCCTGCGGGGAGCCAGCTGCCAGGCCACCGTCCCAGTCACC
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AACAGGTTTGTAGCTGTCCATGAATGAGCACCCACCCAGGGAGAGATCCTGCGGGGCCTC
AAGATCACCGTCAATGACTCCGACCAGGGAGCCAATGCCAAATTAACCTGCAGCTGGTG
GGACCCAGGGGCATCTTCCGAGTGGTCCACAGACAGTCTGAATGAAGCCCAAGTCACA
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CAGCTCTGGACACCAATGACAATGTCCCAAGTTCGACTCCCTCTACTACGTTGCCAGG
ATTCTGAGAACGCCCGAGGGGCTCCAGCGTGGTGGCTGTACAGCTGTGGATCCAGAT
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ATCCACCCATCCACTGGGCTTACTACACCCAGCCCTGGGCTAGCCTGGACGCTGAGGCC
ACTGCCAGGTACAACCTTCTATGTGAAGGCAGAGGACATGGAAGGCAAGTACAGCGTAGCT
GAGGTGTTTATCACACTGCTGGATGTCAATGACCACCCCTCAGTTTGGAAAGAGCGTT
CAGAAGAAGACGATGGTGTAGGACCCAGTGAATGAGGCCATAGACGAGGATGCA
GAGGAACCCAACAACCTGGTGGACTATTCCATACCCATGCAGAGCCCGCCAACGTGTT
GACATCAATTCCACACGGGGGAGATCTGGCTCAAGAATCCATCCGCTCCCTGGATGCC
CTGCACAACATCACACCTGGAAGGGACTGCCTATGGTCCCTAGAGGTGCAGGCCAAGGAC
CGGGGCTCCCCATCCTTACGACCCACAGCCTTACTCAAGATTGACATCACAGATGCTGAG
ACCCTCTCCCGGAGCCCCATGGCTGCCTTCTGATACAGACCAAGGACAACCCCATGAAG
GCCGTGGGTGTGCTGGCCGGCACCATGGCCACCGTCGTGGCCATCACTGTCTCATCTCC
ACCGCCACCTTCTGGCGCAACAAGAAGTCTAACAAGGTCCTGCCAATGCGGCGGGTGTCT
CGCAAGCGGCCAGCCCTGCGCCCCGCACCATCCGCATTGAGTGGCTCAAGTCCAAGAGC
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AACAGCCAGAAAGCTCTCTGCTCCCGAGAGCTCCGGCTCTCCCTCCACCACCCAGCGTG
GCGCCCAGCACTGGCGCAGCCAGTGGACCGTGCCTACTGTCTCTGGCTCTCTACTCCG
CAGCCGACCAACCCCGCCAAAACCAAACTATGGGAAGCCCGTCCAGTCAACTCTG
ATCTCTGAGCTCAAGCAAAAGTTTGAAGAAGAGTGTGCACAACAAGGCTTACTCTAG

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Restriction Sites: Please inquire

ACCN: NM_033100

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:	<ol style="list-style-type: none"> 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_033100.1</u> , <u>NP_149091.1</u>
RefSeq Size:	5337 bp
RefSeq ORF:	2580 bp
Locus ID:	92211
UniProt ID:	<u>Q96JP9</u>
Cytogenetics:	10q23.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This gene belongs to the cadherin superfamily of calcium-dependent cell adhesion molecules. The encoded protein is a photoreceptor-specific cadherin that plays a role in outer segment disc morphogenesis. Mutations in this gene are associated with inherited retinal dystrophies. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>