

Product datasheet for **RC213783**

Protocadherin 21 (CDHR1) (NM_033100) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Protocadherin 21 (CDHR1) (NM_033100) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Protocadherin 21
Synonyms:	CORD15; PCDH21; PRCAD; RP65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC213783 representing NM_033100
 Red=Cloning site Blue=ORF Green=Tags(s)

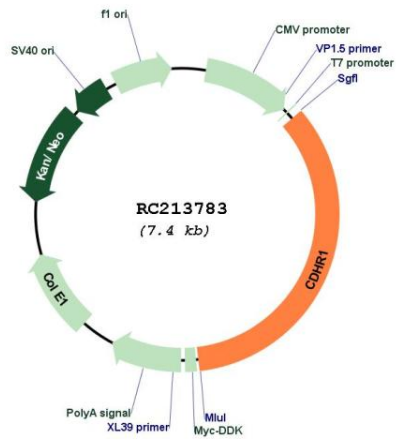
TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCGCTGCCGGTGGGCCGCCCTGGCCCTGGGGCTGCTGCGCCTCTGCTTGGCTCAGGCCAACTTCG
 CCCCGCACTTCTTCGACAACGGGGTCGGCAGCACCAACGAAACATGGCTCTGTTACGCCTCCAGAGGA
 CACCCCTGTAGGCTCTCACGTATACACCCTGAATGGGACAGACCCTGAGGGAGACCCCATCTCCTACCAC
 ATCAGCTTTGACCCAGCACTAGAAGCGTCTTTTCTGTTGACCCCACTTTTGAAACATCACCCCTGGTTG
 AAGAGCTGGACAGAGAGAGGGAAGATGAGATTGAAGCCATCATCAGCATTCTGATGGCCTGAATCTGGT
 GGCCGAAAAAGTCGTGATCCTGGTGACCGATGCCAATGATGAGGCGCCAGGTTCCATCCAGGAGCCTTAT
 GTTGCCCTGGTTCCCGAGGACATACCTGCTGGGAGCATCATCTTAAGGTCCATGCAGTGGACAGGGACA
 CAGGCTCTGGAGGAGTGTACCTACTTCTGCAGAACCTGCACTCCCCATTTGCCGTGGACCGCCACAG
 CGGTGTGCTGCGCCTCCAGGCTGGGGCCACTCTGGACTACGAGAGTCCCGGACCCACTACATCACCGTG
 GTCGCCAAGGATGGCGGTGGGAGGCTTCATGGGGCTGATGTGGTGTCTCAGCCACCACCGGTACCGG
 TCAATGTGGAGGATGTTCAAGACATGGCCCTGTCTTCGTGGGCACACCCTACTATGGCTATGTGTACGA
 GGACACCCCTCCGGGCTCGGAGGTAAGAGTGGTCCGATGGATGGAGACCGGGGCAAACCCAATCGA
 ATTCTCTACAGCCTTGTAAATGGGAACGATGGAGCCTTTGAAATTAATGAGACATCTGGAGCCATCTCCA
 TCACTCAGAGCCCGCCAGCTCCAGAGAGAGGTGATGAGCTGCATGTACAGGTGACTGAAATGAGCCC
 TGCGGGGAGCCAGCTGCCAGGCCACCGTCCCAGTACCATCAGGATTGTGGACCTCAACAACCCCGG
 CCAACATTTCTATGGAGAGAGCGGACCCAAAACAGTTTGAGCTGTCCATGAATGAGACCCACCCACAGG
 GAGAGATCCTGCGGGCCCTCAAGATCACGTCATGACTCCGACCAGGGAGCCAATGCCAAATTTCACTT
 GCAGCTGGTGGGACCCAGGGGCATCTCCGAGTGGTTCCACAGACAGTCCCTGAATGAAGCCCAAGTCACA
 ATCATTGTGGAGAACTCAGCTGCCATTGACTTTGAAAAGTCCAAAAGTATTAACCTTCAAGCTCCTGGCTG
 TTGAAGTGAACACCCAGAGAAGTTCAGTTCACACGCGGATGTTGTGATCCAGCTCCTGGACACCAATGA
 CAATGTCCCAAGTTCGACTCCCTCTACTACGTTGCCAGGATTCTGAGAACGCCCCAGGGGGCTCCAGC
 GTGGTGGCTGTACAGCTGTGGATCCAGATACAGGACCCGCGGCGAAGTGAATATTCACCTATGGGA
 CTGGGGCAGACCTCTTCTGATCCACCCATCCACTGGGCTTATCTACACCAGCCCTGGGCTAGCCTGGA
 CGCTGAGGCCACTGCCAGGTACAATTTCTATGTGAAGGCAGAGGACATGGAAGGCAAGTACAGCGTAGCT
 GAGGTGTTTATCACACTGCTGGATGTCAATGACCACCCCTCAGTTTGAAAGAGCGTTTCAAGAAGA
 CGATGGTCTAGGACCCAGTGAATAATGAGGCCATAGACGAGGATGCAGAGGAACCCAACAACCTGGT
 GGACTATTCCATACCCATGCAGAGCCCGCAACGTGTTGACATCAATCCCACACGGGGGAGATCTGG
 CTCAAGAATTCATCCGCTCCCTGGATGCCCTGCACAACATCACACCTGGAAGGGACTGCCTATGGTCCC
 TAGAGGTGCAGGCCAAGGACCGGGCTCCCCATCCTTCAGCACCACAGCCTTACTCAAGATTGACATCAC
 AGATGCTGAGACCCTCTCCCGAGCCCCATGGCTGCCTTCTGATACAGACCAAGGACAACCCCATGAAG
 GCCGTGGGTGTGCTGGCCGGCACCATGGCCACCGTCGTGGCCATCACTGTCTCATCTCCACCGCCACCT
 TCTGGCGCAACAAGAAGTCTAACAAGTCTGCAATGCGGCGGGTGTCCGCAAGCGGCCACGCCCTGC
 GCCCGCACCATCCGATTGAGTGGCTCAAGTCCAAGAGCACAAAGCCGCTACCAAGTTTCAATGCTCAA
 GAGAAACCTCCCAATGAGAACTGTAACAACAACAGCCAGAAAGCTCTCTGCTCCCGAGAGCTCCGGCTC
 TCCTCCACACCCAGCGTGGCGCCAGCACTGGCGCAGCCAGTGGACCGTGCCTACTGTCTCTGGCTC
 TCTCACTCCGAGCCGACCCAACCCCGCCAAAACCCAAAATATGGGAAGCCCGTCCAGTCAACTCTG
 ATCTCTGAGCTCAAGCAAAGTTTGAGAAGAAGAGTGTGCACAACAAGGCTTACTTC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

ACCN:	NM_033100
ORF Size:	2577 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_033100.4
RefSeq Size:	5337 bp
RefSeq ORF:	2580 bp
Locus ID:	92211
UniProt ID:	Q96JP9
Cytogenetics:	10q23.1
Protein Families:	Druggable Genome, Transmembrane
MW:	93.4 kDa
Gene Summary:	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]

Product images:



Circular map for RC213783