

Product datasheet for **RN204758**

Cdhr1 (NM_053572) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdhr1 (NM_053572) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdhr1
Synonyms:	Pcdh21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204758 representing NM_053572
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGTGGCCACAGGTTGCCCTGGTCTGGGCTGTGTGCATTTACCTAGCCAGGCCAACTTTG
 CCCCTCACTTCTTTGACAATGGAGTGGGACGACCAACGAAACATGGCCCTGTTTCAGCCTCCAGAAGA
 CACTCCTGTAGGTTCTCATGTGTACACACTAAATGGGACTGACCCCGAGGGAGACCTATCTCCTACCAT
 ATCAGCTTTGACCCAGCACTAGAAGTGTCTTTTCTGTTGACCCCAATTTTGAAACATCACCTGGTGG
 AAGAGCTGGACAGAGAGAGAGAGGATGAGATAGAAGCCATCATCAGCATCTCCGACGGCTGAACCTGGT
 GGCAGAGAAAAGTTGTGATAGTGGTGACAGATGCCAATGATGAAGCACCCAGGTTCTCCAGGAGCCTTAC
 AACATCCTGGTCCAGAGAACACACCTGCTGGGAGCAGCATCTTAAGGTACAGGCAGAGGACAAGGACA
 CAGGCTCTGGAGCAGTGTACCTACTTCTTCAGAGCCTACACTCTCCAAGTTCACCGTAGACCGTCA
 CAGCGGGTGTGCTCGACTCCAGGCTGGGCCCACTGGACTATGAGAAGTCGAGGGCTCATTTCATCACT
 GTGGTTGCCAAGGATGGTGGGGCAGGCTTCGAGGAGCTGATGTGGTATTCTCAGCCACCAGACTGTCA
 CCATCAATGTGGAAGATGTTGAGACACAGCCCTATATTCGTGGGTACACCCTACTATGGTTATGTGTA
 CGAAGACACCCCTCCGGGCTCAGAGGTGCTGACGGTGGTGGCATAGATGGAGACCGAGGCCAAACCAAC
 CACATCCTCTATAGGCTCTTGAATGAGAGTGTGGACTCTTTGAAATTAATGAGACATCTGGAGCCATCT
 CCGTCTTCAGAGCCCTGCCAGCTCCGAAGAGAGGTGTATGAGCTTCATGTACAGGTGACAGAGGTCAA
 CTCTTCAGGAAGCCAGCTGCTCAGTCCACAGTCCAGTGATCATCAGGATCGTGGACCTCAACAACCAC
 CCTCCAACCTTCTATGGAGAGAGCGGGCCCAAGTAAAGTTGAACTATCTATGTTTGAGCACCCGCCCC
 AGGGGAAATCCTCCGTGGACTCAAGTCACTGTCAATGACTTGACCAGGGAGCCAAATGCCAAATTCAA
 CTTACGGCTGGTGGGACCTGGAGGCATCTTCGAGTGGTGCCACAGACAGTCTGAATGAAGCCCAAGTG
 ACCATCATAGTGGAAAACCTCAGTGCCTTGTACTTTGAAAAGTCTAAGTCGTTAACCTTCAAGCTCTGG
 CCATTGAAGTGAACACCCCGGAGAAGTTCAGCTCCACAGCAGACATTGTGATCCAGCTTCTGGACACCA
 TGATAATGTTCCCAAGTTCACCTCTCACTACTACATCGCCAGGATCCAGAGAATGTTCCAGGGGCTCC
 AATGTGGTGGCTGTACAGCTGTGGATCCAGATACAGGACCATGGGGCAAAGTCCAGTATTCATTTATG
 GGACCGGATCAGACCTCTTCTTGATTACCCATCCACTGGGCTTATCTACTCAGCCCTGGGCCAGCCT
 GGATGCTGAGGGCACTTCGAGGTACAACTTTTATGTGAAGGCAGAAGACATGGATGGGAGGTACAGCCTG
 GCTGAGGTGTTTGTCACTCTGTTGGATGTCAATGACCACTACCCCGAGTTGTACAGAGTGTCCAGGAGA
 AGACGATGGTGTGGGGACCCACTGAAAATTGAGGCCACAGACCAGGATGCAGAGGAACCAAACTT
 GGTGACTACTCCATTACCCGTGCAGAGCCAGTCAACGTGTTTGACATAGATGCACACACAGGGGAGATC
 AGGCTCAAGAATTCATCCGCTCCTTGGAGGCCCTACACAACATTACACCCAGCGGGGAATACTCATGGT
 CCCTACAGGTGCAGGCCAAGGACCGAGGATCTCCATCTTTCAGCACAACAGCCTTACTCAAGATCGACAT
 CACAGACACAGAGAGGCTGTCCAGAAGCTCCATGGCTGCCTTCTGATTGAGACCAAGGACAATCCCATG
 AAGGCCGTGGGTGACTGGCTGGTGTATGGCCATTGTTGTGGCCATAACCGTCTCATCTCCACAGCCA
 CCTTCTGGCGTAACAAGAAGTCTAACAAGTCTGCTGCTGCGGGTGTGCTCCGTAGAAGGCCAGCCC
 TGCACCCACACAGTACGAATAGAATGGCTCAAATTCGGAGGGCCAAGGCTGCTTCCAAGTTTATACTC
 AAAGAGGATCCTCCAATGAGAACTGCAATAACAGCAGAGTGGGAGTACGGTGCSCCAAGAGCTCCAG
 CTCTCCACCGCCCCAAAATGGCATCCAGTACAGTGGCCCAACAGACAGTGCCTACTGTCTCTGGATC
 CCTTACCCACAGCCATCCCAACAGTTACCCACACCCAAACCCCTGGGAGGCCCTGCTCAGTCTTCTTTG
 GTGTCAGAGCTCAAGCAAAAGTTTGAAGAAGAGTTTAGGTAACAAGGCTTATGTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053572
Insert Size: 2580 bp

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).
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_053572.1 , NP_446024.1
RefSeq Size:	4302 bp
RefSeq ORF:	2580 bp
Locus ID:	93662
UniProt ID:	Q91XU7
Cytogenetics:	16p14
Gene Summary:	non-classical cadherin gene which maybe involved in the formation and maintenance of neuronal network in the brain [RGD, Feb 2006]