

Product datasheet for **RN206147**

Cdh23 (NM_053644) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdh23 (NM_053644) Rat Untagged Clone
Tag: Tag Free
Symbol: Cdh23
Synonyms: W
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206147 representing NM_053644
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGAGGCACCCCTGTCACTTGGTGTGCCATGCTCTGGCTTCTCATGCTGGTGTCCGGATCTGGGGCC
AGGTGAACCGACTACCTTTTTTACCAATCACTTCTTTGACACGTACCTGCTCATCAGTGAAGACTCC
TGTGGTTCTTCTGTGACCCAGTTGCTGGCCGAGACATGGACAATGACCCCTTGGTGTTCGGCGTGTCT
GGGGAGGAGGCCCTCCCGTCTTTGCCGTGGAGCCTGACACGGGTGTGGTGTGGCTCCGGCAGCCACTGG
ACAGAGAGACTAAGTCTGAGTTCACAGTGGAGTTCCTCCGTCACTGACCACCAAGGGGTGATCACAAGGAA
GGTGAATATCCAAGTTGGAGACGTGAACGACAATGCACCCACATTCCACAACCAGCCCTACAGCGTGC
ATCCCTGAAAACACACCAGTGGGGACACCCATCTTCATCGTCAACGCCACTGATCCTGACCTGGGCGCAG
GGGGCAGTGTCTTACTCCTCCAGCCCCCTCTCAGTTCTTCGCCATCGACAGTGCCTGAGGCATAGT
CACCGTATCCGGGAGCTGGACTATGAGGTCACGCAGGCGTACCAGCTCACAGTCAATGCCACGGATCAA
GACAAGACCAGACCTCTGTCTACATTAGCCAACCTGGCCATCATCATCACGGACGTACAAGACATGGACC
CCATCTTCATCAATCTGCCCTACAGTACCAACATCTATGAGCACTCTCCCCGGGCAGCACTGTGCGGGT
GATCACTGCTGTGGATCAGGATAAGGGACGGCCCCGGGGATTGGCTACACTATTGTCTCAGGGAATACG
AACAGCATCTTTGCCCTGGACTACATCAGCGGGGCTCTCACCCGAATGGCTGTGGACCGGGAGAACC
CCCTGTACAGCCACGGCTTATCCTGACGGTGAAGGGCACTGAGCTGAATGATGATCGTAGTCCGTCTGA
CGCCACCGTACCACGACCTTCAACATCCTGGTTATCGACATCAATGACAATGCCCGGAGTTCAACAGC
TCTGAGTACAGCGTGGCCATTACTGAGCTGGCACAGGTCGGCTTTGCCCTCCCTCTTTCATCCAGGTGG
TGGACAAGGATGAGGGTCTAACAGCATGTTTCGAGGTGTACCTGGTGGGCAACAACCTCCACCACTTCAT
CATCTCCCAACCTCCGTCCAGGGGAAAGCAGACATCCGCATCCGAGTGGCAATCCCACTGGACTACGAG
ACCGTGGACAGATACGACTTTGACCTCTTTGCCAACGAGAGCGTACCCGACCACGTGGGCTACGCCAAGG
TGAAGATTACGCTCATTAAATGAAAATGACAACCGCCCATCTTCAGCCAGCCCTCTACAATGTACGCT
GTATGAAAACATCACCGTGGGGACCTCCGTGCTGACAGTCTGGCAACAGACAATGACGTGGGCACCTTT
GGGGAAGTCAACTACTTCTTCAGTGATGACCCGACAGTTTCTACTGGACAAGGACACAGGCCTCATCA



[View online >](#)

TGCTTATAGCCCGGCTGGACTATGAGCTTATCCAGCGTTTCACCTTGACTGTCATTGCCCGGGATGGTGG
 CGGTGAGGAGACCACAGGCCGGGTCCGGATCAATGTGCTGGATGTCAACGACAATGTGCCACCTTCCAG
 AAGGATGCCTACGTGGGTGCTCTGAGGGAGAATGAGCCATCTGTACACAGCTGGTGCGGCTCAGGGCAA
 CAGATGAAGACTCCCCTCCCAACAACCTGATCACCTACAGCATCGTCAACGCGTCCGCTTCGGCAGCTA
 CTTTGACATCAGTGTGTATGAAGGCTATGGAGTGATCAGTGTGAGCCGCCACTGGATTATGAACAGATA
 CCCAATGGGCTGATACCTAACCGTCATGGCCAAGGATGTGGCAACCCTCCGCTCTACAGCACCGTCC
 CTGTACCATTGAGGTGTTGATGAGAACGACAACCCTCCACCTTCAGCAAGCCTGCCTACTTCTGTGTC
 TGTGGTGGAGAACATCATGGCAGGACCCACAGTGTGTTGTTCTAAATGCCACGGACTGGACCGCTCCCGG
 GAGTATGGGCAGGAGTCTATCATCTATTCGCTGGAGGGCTCCTCACAGTTCGCGATCAATGCCCGCTCTG
 GAGAAATCACCACCACGTCTCTGCTGGACCGAGAGACCAAAGCTGAATACATACTCATTGTGCGTGTGT
 GGATGGGGGTGTGGGCCACAACCAGAAAAGTGGCATTGCCACAGTGAATGTACCCTCCTAGACATCAAT
 GACAACCACCCACCTGGAAGGATGCTCCCTACTACATCAACCTGGTGGAGATGACGCCTCCAGACTCTG
 ATGTGACCACGGTGGTAGCTGTGGACCCAGATCTGGGGAAGAATGGCACCTGGTGTACAGCATCCAGCC
 CCCCAACAAGTCTATAGTCTGAACAGCACAGGCAAGATCCGCACCACCCACGTATGCTGGACCGA
 GAGAACCCTGACCCCGTGGAGGGGAGTCTATGCGCAAGATCATTGTCTCTGTACAGGACTGTGGTAGAC
 CCCCCCTGAAGGCCACCAGCAGTGCACAGTCTTTGTGAACCTCTGGATCTCAATGACAACGACCCAC
 CTTCCAGAACCTGCCTTTTGTGGCTGAGGTTCTTGAGGGCACCCCTGCAGGGGTCTCTGTCTACCAAGT
 GTGGCCATCGATCTGGATGAGGGCTGAATGGACTGGTGTCTATCGCATGCAAGTGGGCATGCCCGCA
 TGGACTTTGTCAACAGCACCAGTGGTGTGGTACGACCACAGCCGAGTTGGACCGGGAGCGCATCGC
 CGAGTACCAGCTGCGGGTGGTGGCCAGCGATGCGGGCACACCTACCAAGAGTCCACCAGCACCCCTACC
 ATCCCGGTGTTGGATGTGAACGATGAGACGCCACCTTCTTCCCTGCCGTGTACAACGTGTCCGTGTCTG
 AGGATGTTCCCGTGAGTCCGTGTGGTCTGGTGAACGACAGACAATGACGTCCGTCTCAATGCGGA
 ACTCAGTACTTCATCACAGCGGGAATGTGGACGGGAAGTTTGTGTGGGCTACCGTGTACGCGGACTG
 AGAACCTGTTGCGCCTGGACCGTGGACCCACAGCTGCGTACACACTGGTGTGGAGCTATCGACAATG
 TCCCTGTAGGCAAGCGGCGCACAGGTACGGCCACCGTGTGTTGTACAGTCTGGATGTGAACGACAACCG
 GCCCATCTTCTGCAAAGCAGCTATGAGGCCAGTGTCCCAGAAGACATCCCCGAGGGCCACAGCATTGTG
 CAGCTGAAAGCCACAGATGCAGACGAGGGCGAGTTTGGACGTGTCTGGTACCGCATCCTCCATGGTAACC
 ATGGCAACAACCTCCGCCTCCACGTGAGCAGCGGGCTCCTGGTGCAGGGCCAAAGGCCCTGGACAGGGA
 GCGAAACTCGTCCATGTCTGTATGGCAGAAGCCTACAACCACGACCTGGGGCCATGCGGAGCTCGGTC
 AGGGTGTATCGTGTATGTGAAGATGTCAACGATGAGGCCCTGTGTTACACAGCAGCAGTACAATCGCC
 TGGGCTTCGAGAGACAGCAGGCATCGGCACCTCAGTCACTGTTGTCGAGCCACCGACAGAGACTGG
 GGACGGTGGCCTGGTGAACCTACCGCATCCTGTGCGGGCGAGAGGGCAAGTTTGAGATTGACGAGAGCACA
 GGGCTCATCGTGACGGTTGACTATCTGGACTACGAGACCAAGACCAGCTATCTGATGAACGTGTACAGCCA
 CAGACGGTGCACCCCTTCAACCAGGGCTTCTGCAGCGTCTACGTGACACTTCTCAACGAGCTGGATGA
 GGCTGTTCAAGTCTCCAATGCCTCCTATGAGGCAGTCAATGAGGAAATCTGGCTCTGGGACCGGAGATC
 GTGCGGGTGAAGCCTATTCCATTGATAACCTCAATCAATCACCTACCGCTTTGACGCCTATACCAGCG
 CCCAGGCCAAAGCCCTTCAAGATAGATGCCATCACGGGCGTATCACAGTCAAAGGCTTGGTGCAGAG
 GGAGAAGGGCGACTTCTACACATTGACGGTGTGGCAGATGATGGTGGCCCAAGGTGGACTCTACTGTG
 AAGGTCTACGTACTGTTCTGGATGAAAATGATAACAGCCACGCTTTGACTTCACTCTGATTCCGGCA
 TCAGTGTGCCTGAGGACTGCCCTGTAGGCCAACGAGTAGCCACTGTCAAGGCCCGGACCTGATGCTGG
 CAGCAACGGTCAAGTGGTCTTCTCCCTGGCCTCCGTAACATTGCTGGGGCCTTTGAGATTATACCAGC
 AATGACTCCATTGGTGAAGTGTGTTGGCTAAGCCCTGGACAGGGAGGAACTGGACACTACATCCTCA
 AGATTGTAGTCTGACCGTGGCACTCTCCACGGAAGAAAGACCACATCTTACAGGTGACCATTCTGGA
 TGTCAATGACAACCTCCAGTATTGAGAGCCCTTTGGGTACAACGTCAAGTGTGAATGAGAATGTGGGT
 GGAGGCACCTCAGTAGTCCAGGTGAGAGCCACCGACCGTACATCGGGATCAACAGCGTCTGTCTTATT
 ATATCACGGAGGGCAATGAGGACATGACTTTCCGTATGGACCGCATCAGCGGTGAGATTGCTACACGGCC
 TGCTCCACCCGACCGTGAAGCCAGAATTCTACCACCTGGTGGTCACTGTGGAAGACGAGGGCACCCCC
 ACACTATCGGCTACCACCATGTGTACGTGACTATCGTGGACGAGAATGACAATGCTCCTGTGTTCCAGC
 AGCCACATTATGAGGTGGTGTGGACGAGGGCCCGGACACAGTCAACACCAGCCTCATCACCGTCCAGGC
 GCTGGACCTGGATGAGGGCCCAATGGCACTGTTACCTATGCCATTGTGGCAGGCAATATCATCAATACC
 TTCCGAATCAACAGGCGCACGGGTGTCATTACTGCTGCCAAGGAGCTAGACTATGAGATCAGTATGGCC
 GCTATACCCTGATTGTCACTGCCACAGACCAGTGTCCCATCTGTCCCACCGCTCACCTCTACTACCAC

AGTGCTCGTGAACGTGAATGACATCAATGACAATGTGCCCACTTCCCTCGGGACTATGAAGGACCATTC
 GATGCTACTGAGGGCCAACCAGGGCCCAGAGTGTGGACATTCTGGCCATGACCGGGACTCCGGTCCCA
 ATGGGCAGGTGGAGTACAGTGTGTGGATGGAGACCCACTGGGGGAGTTGTGATCTCTCTGTGGAGGG
 TGTGCTGAGGGTCCGGAAGGATGTAGAAGTGGATCGGGAGACCATCGCCTTCTACAATCTGACCATCTGT
 GCCCGAGACAGGGGGTCCGCCACTCAGTCCACGATGCTGGTGGGAATCCGAGTGTGGACATCAATG
 ACAATGACCCGGTGTCTGTTGAATCTTCCCATGAACATCACCATCAGTGAAGAACAGCCCGGTCTCCAGCTT
 CGTCGCCACGTCTGGCCAGCAGCTGACAGTGGCTGCAATGCCCTGCTCACCTTCAACATCACCGCT
 GGCAACCGGGAGCGGGCCTTCTCATCAATGCCACGACAGGGATCGTCACTGTCAACCGGCCCTGGACC
 GAGAGCGCATCCAGAATACAGGCTGACCGTTTCTGTAAGGACAACCCAGAGAACCACGCATAGCCAG
 GAAGGATTTTACTTACTGCTGGTCTCTCTGGCTGATGAAAATGACAACCACCCCTCTTCACTGAGGGC
 ACGTACCAGGCCGAGGTGATGGAGAATCTCTGCTGGGACACCTCTCACCGTGTCAATGGACCTATCC
 TGGCCCTGGATGCTGATGAAGATGTGTACGCTGTAGTCACGTATCAACTCTGGGCACTCACAGCGACT
 GTTTGTTATTGACAATAGCACGGGCGTGGTACTGTGAGTCCGGGGTCAATCGACCGGGAGGCCTTC
 TCACCCCACTTCTGGAGTTGCTGCTGTGGCTGAGGACGTGGGACAACCTCAATGGCACGGCCTACCTGT
 TCATCACTATCCTAGATGACAATGACAATGGCCACCTTCAGTCTCTGCTTACACTGTCCACCTGCT
 GGAGAATGCCACCAGGATTCTCAGTCTTACAGTACAGCCACAGATGAGGACAGCGGCCTCAATGGG
 GAGCTGGTCTACCGAATAGAAGCCGGGGCTCAGGACCGCTTCTCATCCATCCAGTCAACAGGAGTCAATC
 GTGTTGGCAATGCCACCATTGACAGAGAAGAGCAGGAATCCTACAGGCTGACGGTGGTGGCCACCGACC
 GGGCACTGTTCCCTTGTGGGCACAGCCACCGTACCATCCTGATCGATGACATCAATGACTCCCGCCCT
 GAGTTCCTCAACCCTATCCAGACAGTGAAGCGTGTGGAATCCACAGAGCCAGGCACTGTCAATGCTAACG
 TCACTGCCATCGACCTCGACCTCAACCCAACTGGAGTATCACATCCTTAGCATCGTGGCAAGGACGA
 CACTGACCGCCTGGTGCCTGACCAGGAAGATGCCTTTGCTGTGAATATCAATACAGGGTCCGTGATAGTG
 AAGTCCCCTGTAACCGCGAGCTGGTTGCTACCTATGAGGTGACGCTCTCAGTAATCGAATGCCAGCG
 ACCTCCCAGAGGTTCTGTGAGTGTGCCAAACGCCAAGCTCACGGTCAACATCCTGGATGTCAATGACAA
 TACACCGCAGTTCAAGCCCTTTGGAATCACTACTACACAGAGCGGGTCTGGAGGGGGCCACCCAGGC
 ACAACGCTCATTGCTGTGGCCGCGTTGATCCCGACAAGGGCCTTAACGGGCTGATCACCTACACCTGC
 TAGACCTCATAACCCAGGCTATGTCCAGCTCGAAGACTTTCAGCAGGGAAGGTATCGCCAACCGTAC
 GGTGGACTACGAGGAGGTTCACTGGCTTAACCTCACCGTGGGGCCTCAGACAATGGTCCCCACCCCGG
 GCAGCTGAGATCCCTGTCTACCTGGAATTTAGACATTAATGACAACAACCCCTCTTTGATCAGCTCT
 CCTACCAGGAGGCTGTTTTGAGGATGTAGCTGTGGCAGGTCATCCTGAGGGTTACAGCTACGGATGC
 TGAAGTCAAGCAACTTTGCTCTCATCGAGTACAGCTGGTGGATGGAGAGGGCAAATTTGCCATCAACCC
 AACACTGGTACATCTATGTGCTGTCTCTCTGGACCGAGAGAAGAAGGACCACTACATCCTAAGTCTT
 TGGCAAAGACAACCCTGGCGATGTGGCCAGTAACCGTCGCGAGAATCGGTGCAGGTGGTGTCCGAGT
 ACTTGATGTCAATGACTGTGGCCTCAGTTCTCCAAGCCACAGTTCAGACAAGTGTGTACGAGAATGAG
 CCAGCAGGTAATCAGTATCACCATGCTGGCCACTGACCAGGACGAGGGCTCTAATGGCCAGCTGACCT
 ACTCTCTTGGGGTCCCGAATGGAGGCTTTCTCTGTGGACATGGACTCGGGCCTGGTGAACACGCGCG
 GCCACTACAGTCTATGAGAGGTTCAACCTGACCGTGTGGCTACAGATGGTGGGGAGCCCCACTCTGG
 GGCACCAATGCTCCTAGTGAAGTATCGATGTCAATGACAACCGCCCGTCTTCTGTGCGCCACCCA
 ATGGCACCATTCTGCACATCAAAGAGGAGATCCCGCTACGTTCCAATGTGTATGAAGTCTATGCTACAGA
 CAAGGATGAAGGCCTCAACGGGGCAGTACGCTACAGCTTCTGAAGTCAACAGGCAACCGTACTGGGAG
 TACTTACCATCGACCAATAGTGGCCTCATCCAGACAGCGCAGCGCCTGGACCGTGAAGCAGGCGAG
 TGTACAGTCTCATCTTGGTGGCCAGCGACTGGCCAGCCAGTGCATACGAGACGATGCAGCCATTGCA
 GGTGGCCCTGGAGGACATCGATGACAATGAGCCCTCTTTGTGAGGCCTCCTAAGGGAAGCCCTCAGTAC
 CAACTGCTAACAGTGCCTGAACACTCCCCCGTGGCACCTTGTGGGCAACGTGACAGGCGCGGTGGACG
 CAGATGAAGGTCCCAATGCCATTGTGTACTACTTATTGCAGCTGGTAACGAGGACAAGAATTTCCACCT
 ACAACCTGACGGACGCTGCTAGTGCTTAGAGACCTGGATCGGGAGACGGAAGCCATCTTCTCCTTATT
 GTCAAGGCGTCCAGCAATCGCAGTTGGACCCCTCCCCGAGGACCTCCCCAGCCCTCGATCTGCTGACCG
 ATCTCACCTGCAGGAGGTGCGGTTGTGCTGGAGGACATCAATGACCAACCGCCACGCTTACCAAGGC
 TGAGTATACCGCAGGAGTGGCCACCGACGCAAGGTAGGCTCGGAGTTGATCCAGGTGCTGGCCCTGGAT
 GCAGACATTGGCAACAACAGCCTGGTCTTCTATGGCATTCTGGCTATCCACTACTTCCGGGCCCTGGCCA
 ATGACTCCGAGGATGTGGGTGAGGCTTCCACATGGGGAGTGTGGACGGCATCCTGCGTACCTTTGACCT
 CTTTATGGCCTACAGCCCTGGCTACTTTGTGGTACATCGTGGCCCGAGACCTGGCCGGTCAACAACGAT

ACAGCCATCATTGGCATCTACATCCTGAGGGATGACCAGCGCTTAAGATAGTCATCAACGAGATCCCAG
 ACCGTGTGCGTGGCTTTGAGGAGGAGTTCATTCGCTGCTGTCCAACATCACAGGCGCCATCGTCAACAC
 TGATGACGTGCAGTTCATGTGGATATGAAAGGAAGAGTGAATTTTGCACAGACAGAGCTGCTCATCCAC
 GTGGTCAACCCGACACGAACCCGATCCTGGATGTGGACAGGGTCCATCCAGATGATTGATGAGAACAAGG
 AACAACTTCGAAACCTCTCCGGAACACAATGTAAGTACTGGACGTGCAGCCTGCCATCTCTGTCCAGCTGCC
 AGACGACATGTCTGCCCTGCAGATGGCCATCATTGTCTGGCCATCCTTCTTCTTGGCTGCCATGCTC
 TTTGTCTCATGAACTGGTACTACAGGACCATACACAAGAGAAAGCTAAAGGCCATTGTGGCTGGTTCTG
 CTGGGAACCGTGGCTTCATTGACATCATGGACATGCCCAATACCAACAAATACTCCTTCGATGGAGCCAA
 CCCTGTGTGGCTGGACCCCTTCTGCCGGAACCTGGAGCTGGCTGCACAGGCTGAACACGAGGATGACCTC
 CCTGAGAACCTGAGTGAGATCGCAGACCTGTGGAACAGCCCCACCCGACCCATGGAACCTTTGGACGTG
 AGCCCCGGCAGTCAAACCTGAAGATGACAGATACCTGCGGGCAGCCATCCAGGAGTATGACAACATAGC
 CAAGCTGGGTGAGTTCGAGAAGGACCTATTAAGCTGATCCACACTGACCTGGAGGAGGAGCCTGGC
 GACCACAGCCCAGGCCAGGGCAGCCTCCGTTCCGACACAAGCCACCCACGGAACCAAGGGGCCAGATG
 GAATCCACATAGTTCACGGTAGCACGGGCACACTGCTGGCCACTGATCTCAACAGCTTGCTGAGGACGA
 CAGAAGGGGCTAGACCGCTCACTGGAGACTCTGACAGCCTCTGAAGCCACTGCCTTTGAACGCAATGCC
 CGCACCAGTTCGCGCAAGTCCACCCCTCTGCATAAGCTTCGAGACGTCATCATGGAGAGCCCCCTGGAAA
 TCACGGAACTGTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_053644

Insert Size:

9954 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:

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_053644.1, NP_446096.1

RefSeq Size:

10927 bp

RefSeq ORF:

9954 bp

Locus ID:

114102

UniProt ID:

P58365

Cytogenetics:

20q11

Gene Summary: may mediate calcium-dependent cell-cell adhesion; mutations in human homolog cause Usher syndrome type 1D [RGD, Jun 2006]