

Product datasheet for MR231980

Cdh23 (NM_001252635) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh23 (NM_001252635) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh23
Synonyms:	4930542A03Rik; ahl; ahl1; bob; bus; mdfw; nmf112; nmf181; nmf252; sals; USH1D; v
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231980 representing NM_001252635 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGTACTCCCTGGTCACTTGTCTATGCTGTGCTCTGGCTTCTCATGCTGGTGCCTGGATCCTGGGGCC
AGGTGAACCGACTACCTTTCTTACCAATCACTTCTTTGACACGTACCTGCTCATCAGTGAAGACACGCC
AGTGGGTTCTTCTGTGACCCAGCTGCTCGCCGAGACATGGACAATGACCCTTTGGTGTTGGCGTGTCT
GGGGAGGAGGCCCTCCCGATTCTTTGCCGTGGAGCCTGACACGGGTGTGGTGTGGCTCCGGCAGCCACTGG
ACAGAGAGACTAAGTCTGAGTTCACAGTGGAGTCTCTGTGTCAGTGACCACCAAGGGGTGATCACACGGAA
GGTGAATATCCAAGTTGGAGATGTGAATGACAATGCACCCACATTCACACAACCAGCCCTACAGCGTGC
ATCCCTGAGAACACACAGTGGGGACACCCATCTTCATCGTCAACGCCACCGATCCTGACCTGGGCGCG
GGGGCAGCGTCTCTACTCCTCCAGCCCCCTCTCCGTTCTTCGCCATCGACAGTGCCCGAGGCATAGT
CACCGTGATTCAGGAGCTAGACTATGAGGTCACGCAGGCGTACCAGCTCACAGTCAATGCCACGGATCAA
GACAAGACCAGACCTCTGTCTACATTGGCCAACCTGGCCATCATCATCACGGACATGCAAGACATGGATC
CTATCTTCATCAACCTGCCCTACAGTACTAACATCTACGAGCACTCTCCTCCAGGCACAACCTGTGCGGGT
GATCACTGCTGTGGACCAGGATAAGGGACGGCCCGTGGGATTGGCTACACTATTGTCTCAGGGAATACC
AACAGCATCTTTGCCCTGGACTACATCAGCGGAGCTCTACCCTGAATGGCTGTGACCCGGGAGAACC
CCCTGTACAGTACCGCTTCATCCTGACAGTGAAGGGCACTGAGCTGAATGATGACCGTACTCCGTCAGA
TGCCACCGTACCACGACCTTCAACATCCTGGTTATTGACATCAATGACAATGCCCCAGAGTTCAACAGC
TCTGAGTACAGCGTGGCCATTACAGAGCTGGCACAGGTCGGCTTCGCTCTCCCTCTTTCATCCAGGTGG
TGGACAAGGATGAGGGTCTGAACAGCATGTTGAGGTGTACCTGGTGGGCAACAACCTCCACCACCTTCAT
CATCTCCCAACCTCCGTCGAAGGAAAGCGGACATCCGCATCCGAGTGGCAATCCCGCTGGACTATGAG
ACTGTGGACAGATACGACTTTGACCTCTTTGCCAACGAGAGTGTACCCGACCACGTGGGCTATGCCAAGG
TGAAGATTACGCTCATCAATGAAAATGACAACCGCCCATCTTCAGCCAGCCCTCTACAATGTCAGCCT
GTATGAGAACATCACGGTGGGGACCTCCGTGCTGACAGTCTGGCAACAGACAATGACGTGGGCACTTTT
GGGGAAGTCAACTACTTCTTCAGTGATGACCCTGACAGTTTCTACTGGACAAGGACACGGGTCTCATCA



[View online >](#)

TGCTGATAGCCCGGCTAGACTATGAACTTATCCAGCGTTTCACCTTGACTGTCATTGCCCGGGATGGCGG
 TGGTGAGGAGACCACAGGCAGGGTCCGGATCAATGTGCTGGATGTCAATGACAATGTGCCACCTTCCAG
 AAGGATGCCTATGTGGGTGCTCTGAGGGAGAATGAGCCATCTGTACGCAGCTGGTGCGGCTCAGGGCAA
 CAGATGAAGACTCCCCTCCCAACAACCTGATCACCTACAGCATCGTCAATGCATCCGCTTCGGCAGCTA
 CTTGACATCAGCATATATGAAGGCTATGGAGTGATCAGTGTGAGCCGCCCTCTGGATTACGAGCAGATA
 CCCAATGGGCTGATCTACCTAACAGTATGGCCAAGGATGCTGGCAACCCCTCCGCTCTACAGCACCGTCC
 CTGTACCATTGAGGTGTTTGTGAGAAGCACAACCCCTCCACCTTCAGCAAGCCGGCCTACTTCTGTGTC
 TGTGCTGGAGAACATCATGGCAGGAGCCACAGTGTGTTTCTAAACGCCACGGACCTGGACCGCTCTCGG
 GAGTATGGGCAGGAGTCTATCATCTACTCGCTGGAGGGCTCCTCGCAGTTTCGCATCAATGCTCGTCTG
 GAGAAATCACCACCACGTCTCTGCTGGACCGAGAGACCAAGTCTGAATACATACTCATCGTGCCTGCTGT
 GGATGGCGGTGTGGGCCACAACCAGAAAACCTGGCATTGCCACAGTGAATGTACCCTCCTAGACATCAAT
 GACAACCACCCTACCTGGAAGGATGCTCCTTACTACATCAACCTGGTAGAGATGACACCTCCAGACTCTG
 ATGTGACCACGGTGTAGCTGTGGACCCAGATCTGGGGAGAATGGCACCTGGTGTACAGCATCCATCC
 CCCCAACAAGTTCTATAGTCTGAACAGCACCACAGGCAAGATCCGTACCACCCACGTATGCTGGACCGC
 GAGAACCCTGACCCTGTGGAAGCGGAGCTCATGCGAAAGATCATTGTCTCTGTACAGACTGCGGCAGAC
 CCCTCTGAAGGCCACCAGCAGTCCACCGTCTTTGTGAACCTCTGGATCTCAATGACAATGACCCAC
 CTTCCGGAACCTGCCTTTTGTGGCTGAGATTCTTGAGGGCACCCCTGCAGGGTCTCTGTCTACCAGGTG
 GTGGCCATCGATCTGGACGAGGGCTGAATGGACTGGTGTCTACCGCATGCAGGTGGGCATGCCCGCA
 TGGACTTTGTCATCAACAGCACCAGCGGTGGTGCAGCAGACGCCAAGTGGACCGGGAGCGCATCGC
 CGAGTACCAGTGCGGGTGGTGGCCAGCGATGCTGGCACACCTACCAAGAGCTCCACCAGCACCCCTCACC
 GTCCGAGTGTGGATGTGAACGATGAGACTCCCACCTTCTCCCTGCCGTGTACAACGTGCCGTCTG
 AGGACGTTCCCGTGAGTTCGCGTGGTCTGGCTGAACGCAGACAATGACGTGGGCCCTCAATGCGGA
 GCTCAGTACTTATCACAGCGGAAACGTGGATGGGAAGTTTGTGTGGGCTACCGTGTGACGCGGCTG
 AGAACCGTAGTCGCGCTGGACCGTGAGACCACCGCTGCGTACACACTGGTGTGGAGGCCATAGACAATG
 GCCTGTAGGCAAGAGGGCAGCGGTACAGCCACCGTGTGTCACAGTTCTGGATGTGAATGACAACCG
 GCCCATCTTTCTGCAAAGCAGCTATGAGGCCAGTGTCCCGAAGACATCCCAGAAGGCCACAGCATTGTG
 CAGCTGAAAGCCACGGATGCAGACGAGGGCGAGTTTGGGCGCTCTGGTACCGCATCCTCCACGGTAACC
 ATGGCAACAACCTCCGGATCCACGTAGGACGCGGGCTCCTGATGCGAGGGCCAAGGCCCTGGACAGGGA
 ACGGAACCTGTCACCGTACTGATGGTAGAAGCCTACAACCATGACCTGGGGCCCATGCGGAGCTGTGC
 AGGGTGTATCGTGTATGTGAAGATGTCAACGATGAGGCCCTGTATTACACAGCAGCAGTACAACCGCC
 TGGGCTTCGAGAGACAGCAGGCATTGGCACCTCAGTATCGTTGTCCGAGCCACTGACAAGACTGG
 GGACGGTGGCCTGGTGAACCTACCGCATCCTGTCCGGCGCAGAGGGCAAGTTTGTGATTGACGAGAGCAG
 GGGCTCATCGTGACGGTTGACTACCTGGACTACGAGACCAAGACCAGCTACCTGATGAATGTGTCTGCCA
 CAGACGGCGCACCCCTTCAACCAGGGCTTCTGCAGCGTCTACGTGACACTTCTCAATGAGCTGGACGA
 GGCTGTTCAAGTCTCCAATGCTTCTACGAGGCAGTATCATGGAGAATCTGGCTCTGGGGACAGAGATC
 GTGCGGGTGAAGCCTATTCTATCGATAACCTCAACCAGATTACCTACCGCTTCGACGCCTATACCAGTG
 CCCAGGCCAAAGCCCTCTTAAGATAGATGCTATCACGGGTGTGATCACAGTCAAAGGCTGGTGCAGAC
 AGAGAAGGGCGACTTCTACACTTGACAGTCTGGCAGACGATGGCGGCCCAAGGTGGACTCTACTGTG
 AAGGTCTACATCACCGTCTGGATGAGAATGATAACAGCCACGCTTCGACTTCACCTCGGACTCAGCCA
 TCAGTGTCCCTGAGGACTGTCTGTGGCCAGCGAGTAGCCACAGTCAAGGCCCGGGACCCCTGATGCTGG
 CAGCAATGGACAGGTGGTCTTCTCCCTGGCCTCTGGTAACATTGCTGGGGCCTTTGAGATTATCACCAGC
 AATGACTCCATTGGTGAAGTGTGTTGTTGGCTAAGCCCTGGACAGGGAAGAAGTGGACCACTACATCTCA
 AGGTCTGTGGCTTCTGACCGTGGCACTCCTCCACGGAAGAAGACCACATCTTACAGGTGACCATTCTGGA
 TGTCAATGACAACCCTCCAGTTATTGAAAGCCCTTTGGATAACAACGTGAGTGTGAATGAGAATGTGGGT
 GGAGGCACCTCAGTGGTCCAAGTGAGAGCCACCGACCGTACATCGGGATCAACAGTGTCTGTCTTATT
 ACATCACCGAGGGCAACGAGGACATGACTTTCCGTATGGACCGTATCAGCGGTGAGATTGCTACACGGCC
 TGCTCCACCCGACCGTGAGCGCCAGAATTCTACCATCTGGTGGTACCCTGGAAGATGAGGGCACCCCC
 AACTGTCCGGCCACCACCACGTGTACGTGACTATCGTGGACGAGAATGACAACGCTCCTGTGTTCCAGC
 AGCCACATTATGAGGTGGTGTGGATGAGGGCCAGACACAATCAACACCAGCCTCATCACCGTCCAGGC
 ACTGGACCTGGATGAGGGGCCGAATGGCACTGTACCTATGCCATCGTGGCAGGCAACATCATCAATACC
 TTCCGAATCAACAAGCACACGGGTGTCATTACTGCTGCCAAGGAACTAGACTATGAGATCAGTATGGCC
 GCTACACCCTGATTGTCACTGCCACGGACAGTGTCCCATCTGTCCACCGCCTCACCTACTACCAC

CGTGCTCGTGAATGTGAATGACATCAATGACAATGTGCCCACTTCCCTCGGGACTACGAAGGACCATT
 GACGCTACTGAAGGCCAGCCAGGGCCCAGAGTGTGGACATTCTGGCCCATGACCGGGACTCTGGCCCCA
 ATGGGCAGGTGGAGTACAGTGTGTGGATGGAGACCCACTAGGGGAGTTTGTGATCTCTCTGTGGAGGG
 TGTGCTGAGGGTCCGGAAGGATGTGCAACTGGATAGGGAGACCATCGCCTTCTACAACCTGACCATCTGT
 GCCCGAGACAGGGGAGTCCGCCACTCAGCTCCACGATGCTGGTGGGAATCCGAGTGTGGACATCAATG
 ACAATGACCCAGTGTACTGAATCTTCCCATGAACGTACCATCAGTGAGAACAGCCCTGTCTCCAGCTT
 TGTCCGCCACGTCTGGCCAGCGATGCTGACAGTGGCTGCAATGCCCTCCTCACCTCAACATCACCGCT
 GGCAACCGAGAGCGGGCCTTCTCATCAATGCCACGACAGGGATTGCTACTGTCAACCGGCCCTGGACC
 GAGAGCGCATCCCAGAGTACAGGCTGACTGTTTCTGTGAAGGATAACCCGGAGAACCACGCATAGCCAG
 GAAGGACTTTGACTTACTGCTGGTATCTCTGGCTGATGAAAACGACAACCACCCCTCTTACTGAGGGC
 ACGTACCAGGCCGAGGTGATGGAGAACTCTCTGCTGGGACACCCCTCACAGTGTCAATGGGCCTATCC
 TGGCCCTGGACGCTGATGAAGATGTGTACGCCGTAGTCACGTATCAGCTCCTGGGCACCCACAGTACCT
 CTTTGTATCGACAACAGCACAGGCGTGGTACTGTGAGGTCCGGGATCATATTGACCGGGAGGCCTTC
 TCACCCCGTTTCTGGAGCTGCTGCTGTTGGCTGAAGACATTGGACAACCAATGGCACGGCCACCTGT
 TCATCACTATCCTAGATGACAATGACAACCTGGCCACCTTCAGTCTCCCACTTATACCGTCCACCTGCT
 GGAGAACTGCCACCAGGATTCTCAGTCTTCAAGTACAGCCACGGATGAGGACAGCGGCTCAATGGG
 GAGCTGGTATACCGAATAGAAGCCGGGGCTCAGGACCGCTTCTCATCCACCCAGTCACAGGAGTATCC
 GTGTTGGCAATGCCACCATCGACAGAGAAGAGCAGGAGTCTACAGGCTGACGGTGGTGGCCACCGACCG
 GGGTACCGTTCCCTTGTCCGGCACAGCCATCGTCACCATCCTGATCGACGACATCAATGACTCCCGGCC
 GAGTTCCTCAACCTATCCAGACAGTGAAGCGTGTGGAATCCGCAGAGCCAGGCACCATCATTGCCAATG
 TCACCGCCATCGATCTCGACCTCAACCCAACTGGAGTATCACATCAGCATCGTGGCAAGGATGA
 CACCGACCGCTGGTGCCTGACCAGGAAGACGCCCTTGTGTGAATATCAATACAGGCTGTGTGAGT
 AAGTCCCCTGAAACCGGAGCTGGTGAACCTATGAGGTACGCTCTCAGTAATGCACAATGCCACCG
 ACCTCCACAGCATTCTGTGAGTGTGCCAAACCGCAAGCTCACGGTCAACATCCTGGATGTCAATGACAA
 CACACCGCAGTTCAAGCCCTTGGGATCACCTACTACACAGAGCGGGTCTGGAGGGGGCCACCCCGGC
 ACGACGCTCATTGCCGTGGCAGCCGTGGACCCTGACAAGGGCCTCAATGGGCTGATCACCTACACCTGC
 TGGACCTCACACCCCGAGGCTATGTCCAGCTCGAAGACTTCCGCAGGGAAGGTCATCGCAACCGGAC
 TGTAGACTACGAGGAAGTGCCTGGCTAACTTACTGTGAGGGCCTCAGACAACGGTCCACCCCGG
 GCAGCCGAGATCCCTGTCTACCTGGAAATTGTAGACATTAATGACAACAACCCCATCTTCGATCAGCCCT
 CCTACCAGGAGGCGTTTTTGGAGATATAGCTGTGGGCACGGTCACTGAGGGTTACAGCTACGGATGC
 GGACTCGGGCAACTTCGCCCTCATTGAGTACAGCCTGGTATGAGAGGGCAAGTTCGCTATCAACCC
 AACACCGGCGACATCTCTGTCTCTCTGACCGAGAGAAGAAGGACCACTATATCTTAACCTGCT
 TGGCAAAGACAACCCTGGGGATGTGGCCAGTAACCGTCCGAGAGAACTCGGTACAGGTGGTATCCGAGT
 GCTTGTGTCAATGACTGTCCGGCTCAGTTCTCCAAACCGCAGTTCAGCACGAGTGTGTACGAGAACGAA
 CCAGCAGGCACCTCGGTATCACCATGCTGGCCACCGACCGAGGATGAGGGCTCCAATAGCCAGCTGACCT
 ACTCTCTCGAGGGCCCTGGAAATGGAGGCTTTCTGTGGACATGGACTCAGGCCTGGTGACCACGCAGCG
 GCCGCTGCAATCCTATGAGAGGTTCAACCTGACTGTGGTGGCTACAGATGGTGGGGAGCCCCCACTGTG
 GGCACCACGATGCTCCTGGTGGAGGTCATCGATGTCAATGACAACCGACCCGCTTTGTGCGCCACCCA
 AATGACGAAGGCCTCAATGGGGCAGTACGCTACAGCTTCTGAAGACTACAGGCAACCGTACTGGGAG
 TACTTACCATTGACCAATTAGCGCCTCATCCAGACAGCGCAGCGCCTGGACCCTGAGAAGCAGGCCG
 TGTACAGTCTCATTTGGTGGCCAGTACCTGGCCAGCCGGTCCATATGAGACGATGCAACCATTGCA
 GGTGGCCTTGGAGGACATCGATGACAACGAACCCCTTTTGTGAGGCCTCCTAAGGGAAGCCCTCAGTAC
 CAGCTGTTGACGGTGCCTGAACACTCCCCCGCGGCACCCTTGTGGGCAATGTGACAGGTGCCGTGGATG
 CAGATGAGGGTCCCAACGCCATTGTATACTACTTATTGCAGTGGTACGAGGACAAGAATTTCCACCT
 GCAGCCGATGGACGCCCTGCTAGTGTCTCAGAGACCTGGATCGGGAGACGGAAGCCACCTTCTCCTCATC
 GTCAAAGCGTCCAGCAATCGCAGCTGGACCCCTCCTGTGGACCCTCCAGCCCTCGATCTGCTGACCG
 ATCTCACCTGCAGGAGGTGCGCGTTGTGCTGGAGGACATCAATGACCAGCCGCCACGCTTACCAAGGC
 TGAGTACACCGCAGGAGTGGCCACCGATGCCAAGGTAGGCTCGGAGTTGATCCAGGTGCTGGCCCTGGAT
 GCGGACATTGGCAACAACAGCCTGGTCTTCTATGGCATTCTGGCTATCCATTACTTCCGGGCCCTGGCCA
 ACGACTCTGAGGATGTGGCCAGGTCTTACCATTGGGGAGTGTGGACGGTATCCTGCGCACCTTTGACCT
 CTTTATGGCCTACAGCCCTGGCTATTTTGTGGTACATCGTGGCCCGAGACCTGGCCGGCCACAATGAT

ACCGCCATCATCGGCATCTACATCCTGAGGGATGACCAGCGCGTGAAGATCGTCATCAATGAGATCCCGG
 ACCGCGTGCCTGGCTTCGAGGAGGATTCATTGCCTGCTGTCCAACATCACAGGCGCCATTGTCAACAC
 CGATGACGTGCAGTTCACGTGGATATGAAAGGGAGGGTGAACCTTTCGCGAGACAGAAGTCTTATCCAC
 GTGGTCAATCGCGACACAAACCGCATCCTGGATGTGGACAGGGTCCATCCAGATGATCGATGAGAACAAGG
 AGCAGCTTCGGAACCTCTTCAGGAACAACGTGCTGGATGTGCAGCCCAGCATCTCTGTCCAGCTGCC
 GGATGACATGTCTGCCCTGCAGATGGCCATCATTGTCTGGCCATCCTTCTCTTCTGGCTGCCATGCTC
 TTGCTCCTAGAACTGGTACTACAGACCACACACAAGAGAAAAGCTAAAGGCCATTGTGGCTGGCTCTG
 CGGGGAACCGTGGCTTCATTGACATCATGGACATGCCCAATACCAACAAATACTCCTTCGATGGAGCCAA
 CCCTGTGTGGCTGGACCCCTTCTGCCGGAACCTGGAGCTGGCTGCGCAGGCCGAGCACGAAGATGACCTC
 CCTGAGAACCTGAGTGAATCGCAGACCTGTGGAACAGCCCCACCCGACCCATGGAACCTTTGGGCGTG
 AGCCTGCAGCAGTCAAGCCCGATGATGACAGATACCTGCGTGCAGCCATCCAGGAATACGACAACATCGC
 CAAGCTGGGCCAGATCATTGAGAGGGGCTATTAAGGGCTCGCTGTAAGGTGGTCTGGAGGATTAC
 CTACGGCTCAAAAACTCTTGCACAACGGATGGTAAAAAGCCTCCTCCTGCCATTCTCCATCTCCG
 AGCTGATCCACACCGACCTGGAGGAGGAGCCTGGGGACCACAGCCAGGCCAGGGCAGCCTCCGTTCCG
 ACACAAGCCACCCATGGAGCTCAAGGGCAAGATGGAATCCACATGGTTCATGGCAGCACGGGCACACTG
 CTGGCCACTGATCTCAACAGCTTCCCGGAGGACGACCAGAAGGGGCTGGACCGCTCGCTGGAGACTCTGA
 CGGCTCTGAGGCCACTGCCTTGGAGCGCAATGCCCGCACAGAGTCGGCCAAGTCCACCCCTCTGCATAA
 GCTCCGGGACGTTATCATGGAGAGCCCTCTGGAATCACGGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231980 representing NM_001252635

Red=Cloning site Green=Tags(s)

MRYSLVTCYAVLWLLMLVPGSWGQVNLFFFTNHFFDYLLISEDTPVGSSVTQLLARDMDNDPLVFGVS
 GEEASRFFAVEPDTGVVWLRQPLDRETKSEFTVEFVSDHQGVITRKNVIQVGDVNDNAPTFFHNQPSVSR
 IPENTPVGTPIFIVNATDPDLGAGGSVLYSFPSPFFAIDSARGIVTVIQELDYEVYQAYLTVNATDQ
 DKTRPLSTLANLAIITDMQMDPIFINLPYSTNIYEHSPGTTVRVITAVDQDKGRPRGIGYITVSGNT
 NSIFALDYISGALTLNGLLDRENPLYSHGFILTVKGTLENDRTPSDATVTTTFNILVIDINDNAPEFNS
 SEYSVAITELAQVGFALPLFIQVVDKDEGLNSMFEVYLVGNNSHHFIISPTSVQKADIRIRVAIPLDYE
 TVDRYDFDLFANESVPDHSVYAKVKITLINENDNRPISQPLYNVSLYENITVGTSVLTVLATDNDVGT
 GEVNYFFSDDPDRFLDKDTGLIMLIARLDYELIQRFTLTVIARDGGGEETTGRVRINVLDVNDNPTFQ
 KDAYVVGALRENEPSVTQLVRLRATDEDSPPNNLITYSIVNASAFGSYFDISIEYGYVISVSRPLDYEQI
 PNGLIYLVMAKDAGNPLYSTVPVITIEVFDENDNPTFSKPAYFVSVLENIMAGATVFLNATDLDRSR
 EYQESIIYSLEGSSQFRINARSGEITTTSLLDRETKSEYILIVRAVDGGVGHNQKGTGIATVNVTLDDIN
 DNHPTWKDAPYYINLVEMTPPDSVTVVAVDPDLGENTLVYSIHPPNKFYSLNSTTGKIRTTHVMLDR
 ENPDPVEAELMRKIIIVSVTDCGRPPLKATSSATVFNLLDLNDNPTFRNLPFVAEILEGTPAGVSYYQV
 VAIDLDEGLNGLVSYRMQVGMPRMDFVINSTSGVVTTAELDRERIAEYQLRVVASDAGTPKSSSTLT
 VRVLDVNDPTFFPAVYVNSVSEDVPREFRVWLNCTDNDVGLNAELSYFITAGNVGKFSVGYRDAVV
 RTVVGLDRETTAAYTLVLEAIDNGPVGKRRTGTATVFTVLDVNDNRPIFLQSSYEASVPEDIPEGHSIV
 QLKATDADEGEFGRVWYRILHGNHGNFRIHVGSGLLMRGPRLDRERNSSHVLMVEAYNHDLGPMRSSV
 RVIVYVEDVNDEAPVFTQQYNRLGLRETAGIGTSVIVVRATDKDTGDGGLVNYRILSGAEGKFEIDEST
 GLIVTVDYLDYETKTSYLMNVSATDGAPPFNQGFCSVYVTLNDELDEAVQFSNASYEAVIMENLALGTEI
 KYYITVLDENDNSPRDFDTSDAISVPEDCPVGQRVATVKARPDAGSNGQVVFSLASGNIAGAFIEITS
 NDSIGEYFVAKPLDREELDHYILKVVASDRGTPPRKKDHILQVTILDVNDNPPVIESPFGYNVSVNENVG
 GGTSVVQVRATDRDIGINSVLSYYITEGNEDMFRMDRISGEIATRPAPPDRERQNFYHLVVTVEDEGTP
 TLSATTHVYVTVIENDNAPVVFQPHYEVVLDDEGPDINTSLITVQALDLDEGPNGTVTYAIVAGNIINT
 FRINKHTGVITAAKELDYEISHGRYTLIVTATDQCPIILSHRLTSTTTVLVNVNDINDNPTFRDYEGPF
 DVTEGQPGRVWTFLAHDRDSGPNQVEYSVVDGDLGEFVISPVEGLRVRKDVLDRETIAYFNLTIC
 ARDRGVPLSSTMLVGIRVLDINDNDPVLNLPNVTISENSPVSFVAHVLASDADSGCNALLTFNITA
 GNRERAFFINATTGIVTVNRPLDRERIPEYRLTVSVKDNPENPRIARKDFDLVSLADENDNHPLFTEG

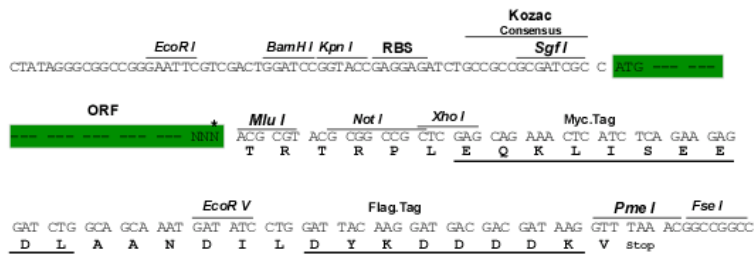
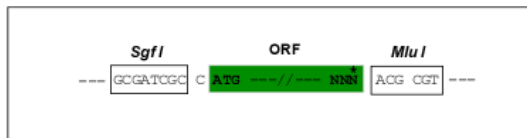
TYQAEVMENSPAGTPLTVLNGPILALDADEDVYAVVTYQLLGTHSDLFVIDNSTGVVTVRSGI IIDREAF
 SPPFLELLLLLAEDIGQLNGTAHLFITILDDNDNWPTFSPPTYTVHLENCPPGFSVLQVATDDEDSGLNG
 ELVYRIEAGAQRFLIHPVTGVIKRVGNATIDREEQESYRLTVVATDRGTVPLSGTAIVTILIDDINDSRP
 EFLNPIQTVSVLESAEPGTIIANVTAIDLNLKLEYHIISIVAKDDTDRLPDQEDAFVNTGSMVMV
 KSPNLRELVAITYEVLVIDNASDLPEHSVSVNAKLTVNILDVNDNTPQFKPFGITYYTERVLEGATPG
 TTLIAVAAVDPDKGLNGLITYTLLDTPPGYVQLEDSSAGKVIANRTVDYEEVHWNFTVRASDNGSPPR
 AAEIPVYLEIVDINDNPIFDQPSYQEA VFDIAVGTVILRVATDADSGNFALIEYSLVDGEGKFAINP
 NTGDISVLSLSDREKGDHYILTALAKDNPGDVASNRRENSVQVVIKRVLDVNDRCRPF SKPQFSTSVYENE
 PAGTSVITMLATDQDEGSNSQLTYSLEGPMEAFSVDMDSGLVTTQRPLQSYERFNLTVVATDGGEPPLW
 GTTMLLVEVIDVNDNRPVFRPPNGTILHIKEEIPLRSNVYEVYATDNDEGLNGAVRYSFLKTTGNRDWE
 YFTIDPISGLIQAQRDLREKQAVYSLILVASDLGQPVYETMQPLQVALEDIDDNEPLFVRPPKGPQY
 QLLTVPEHSPRGTLVGNVTGAVDADEGPNIVVYFIAAGDEDKNFHLQPDGRLLVLRDLRETEATFSFI
 VKASSNRSWTPPRGSPALDLLTDLTLQEVVVLEDINDQPPRFKA EYTAGVATDAKVGSELIQVLALD
 ADIGNNSLVFYGILAIHYFRALANDESDVGQVFTMGSDGILRTFDLFMAYSPGYFVVDIVARDLAGHND
 TAIIGIYILRDDQRVKIVINEIPDRVRGFEEEFIRLLSNITGAI VNTDDVQFHVDMKGRVNFQA TELLIH
 VVNRDTRNILDVDRVIQ MIDENKEQLRNLFRNYNVLDVQPAISVQLPDDMSALQMAIIVLAILLFLAAML
 FVLMNYYRTIHKRKLKAI VAGSAGNRGFI DIMPNTNKYSFDGANPVWLPDFCRNLELAAQAEHEDDL
 PENLSEIADLWNSPTRTHGTGFGREPAAVKPD DRYLRAAIQEYDNI AKLGOI IREGPIKGSLLKVLEDY
 LRLKKLFAQRMVQKASSCHSSISELIHTDLEEEPGDHSPGQGS LFRHKPPMELKQDGIHMVHGSTGTL
 LATDLNSLPEDDQKGLDRSLETLTASEATAFERNARTESAKSTPLHKL R D VIMESPLEITEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

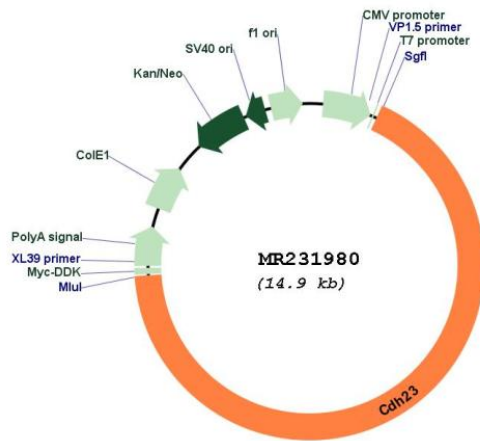
Restriction Sites:
 Cloning Scheme:

SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001252635

ORF Size: 10056 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_001252635.1, NP_001239564.1</u>
RefSeq Size:	11090 bp
RefSeq ORF:	10059 bp
Locus ID:	22295
Cytogenetics:	10 30.11 cM
MW:	369.8 kDa
Gene Summary:	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells. CDH23 is required for establishing and/or maintaining the proper organization of the stereocilia bundle of hair cells in the cochlea and the vestibule during late embryonic/early postnatal development. It is part of the functional network formed by USH1C, USH1G, CDH23 and MYO7A that mediates mechanotransduction in cochlear hair cells. Required for normal hearing.[UniProtKB/Swiss-Prot Function]