

Product datasheet for **MC221823**

Cdh22 (NM_174988) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh22 (NM_174988) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221823 representing NM_174988
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCACGGCCAGAAGGAGCGCTCCGGCGGGGGCTGCGCTGTCGCCTGTGCTGCTGTTCTGCTAC
 TGCTACCGCTGCTGGGGCACCTGTGGGCCGCAAGCACACCTGCCCGTCCTCTTTGTACCTGGGGCTCA
 GGAGGACAACAGCTGGGTGCAGGCCGAGTGAAGCGCGTTGGGTGTGGAACAGTTCTTCGTGGTGGAG
 GAGTACACGGGACAGAACCCCTGTACGTGGGCAAGATCCACTCGGATTCTGACGAAGGGGACGGGACCA
 TCAAGTACACCATCTCGGGCAGGGTGCAGGGACCATCTTCTGATTGACGAGTTGACAGGTGACATCCA
 TGCCACGGAGCGCTGGACCGGGAGCAGAAAACCTTCTACACACTCCGGGCCCAAGCCAGGGATCGAGCC
 ACCAACCGTCTGCTGGAGCCCGAGTCGGAGTTCATCATCAAAGTACAGGACATCAACGACAGTGAACCAC
 GCTTTCTCCACGGCCCTACATTGGCAGTGTGGCCGAGCTGTACCTACAGGCACGTCCGTGATGACAGT
 GATGGCCTCTGATGCAGACGACCCTACTTACGCGAGCAGTGCCCGGCTGGTGTACAGTGTCTGGACGGC
 GAGCACCATTACAGTGGACCCCAAGACAGGTGTGATCCGGACAGCCGTGCCTGACCTCGACCGTGAGA
 GCCAGGAACGCTACGAGGTGGTTATTCAAGCCACAGACATGGCAGGCCAGCTGGGTGGCCTCTCAGGTTT
 CACTACAGTACCATCGTGGTTACTGACGTCAACGACAACCCACCCCGCTTCCACAAAAGATGTACCAG
 TTCAGCATACAGGAGTCAGCCCCATCGGTACGGCTGTGGGCCGCGTGAAGGCCGAGGACTCAGATGTGG
 GCGAGAACACGGACATGACTTATCACCTGAGAGAAGAGAGCGGCAGCGGAGGAGACGCGTTCAAGGTCAC
 CACGGACAGCGACACTCAGGAAGCCATCATAGTGGTGCAGAAGCACCTGGACTTTGAGTCGCAGCAGGTC
 CACACAGTGGTCTGGAAGCCCTCAACAAGTTTGTGGACCCCGCTTCGCCGACCTAGGCACATTCGAG
 ACCAGGCAATCGTGCAGTGGCGGTGACCGATGTGGATGAACCCCGGAGTTCGGGCCACCTCCGGCCT
 ACTGGAGGTGCAGGAGGACGCGCAGGTGGGCTCCCTGGTCCGGCTGGTGACGGCGCGGGACCCCGACGCC
 GCCAACCGGCCCGTCCGGTACGCCATTGATCGGGACTCGGATTTGGAGCAGATCTTTGACATCGATGCGG
 ACACTGGTGCCATCGTACTGGCAAGGGGCTGGACCGTAAACCGCTGGTGGCACAACATTACTGTGCT
 GGCCATGGAAGCAGACAATCATGCTCAGCTATCTCGGGCATCCCTACGGATCCGAATCCTGGACGTGAAC
 GACAATCCCCCGGAGCTCGCTACACCCTACGAGGCAGCTGTGTGTGAAGACGCCAAGCCAGGCCAGCTCA
 TCCAAACCATCAGTGTGGTGGACAGAGACGAGCCCCAGGGCGGCCACCGCTTCTATTTCCGTCTGGTACC
 AGAAGCACCTAGCAACCCTCATTCTCTGCTGGACATTGAAGATAACACAGCTGCGGTGCACACGCAG
 CACGTGGGCTTCAACCGCAAGAGCAGGACGTGTTCTCTGCCCATCCTCGTTGTGGACAGCGGGCCAC
 CCACCCTGAGCAGCAGGGCACCTCACCATCCGATCTGCGGCTGTGACAGCTCCGGTACCATCCAGTC
 CTGCAACACCACCGCCTTTGTATGGTGCCTCCCTCAGCCCCGGCGCACTCATCGCTCTCTTGGTCTGT
 GTTCTCATCCTGGTTGTTCTTGCTCTGCTGATCCTCACTCTCAGGCGGCCACCACAAGAGCCATCTGAGCT
 CAGACGTGGATGAAGACATGCGGGACAATGTGATCAAATACAACGACGAGGGCGGCGGAGCAGGACAC
 CGAGGCCATGACATGTCAGCGCTACGGAGCCTCTACGATTTTGGGGAGCTCAAGGGTGGCGACCCGGGC
 GGGGGCGCGGCCAGTCCCCCGCAGGCTGCTTCTCTTCTGAGCGCCACTCGTGCCTCGGGGGCCGTCGA
 GCCCGAGCCGGAATTCTCGGTGTTCAAGGACTTATCAGCCGCAAGGTGGCGCTGGCGGACGCGGACCT
 ATCGGTGCCTCCCTACGACGCTTCCAGACCTACGCGTTCGAGGGCGCGGGCTCGCCGGCCGCTCGCTC
 AGCTCGTGCACAGCGGCTCGACCGGCTCGGAGCAGGACTTCGCTTTCTCCGCGCTGGGGCCCGGCT
 TCCGACCGCTGGCCGCGCTCTACGCGGCCACCGCGGGGACGACGAGGCCCGGCTCT**AG**

AC**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_174988
Insert Size: 2442 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_174988.3, NP_778153.2</u>
RefSeq Size:	3586 bp
RefSeq ORF:	2442 bp
Locus ID:	104010
UniProt ID:	<u>Q9WTP5</u>
Cytogenetics:	2 H3
Gene Summary:	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. PB-cadherins may have a role in the morphological organization of pituitary gland and brain tissues.[UniProtKB/Swiss-Prot Function]