

Product datasheet for **MC220264**

Cdhr5 (NM_028069) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdhr5 (NM_028069) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdhr5
Synonyms:	1810074H01Rik; AI481143; Mucdhl; Mupcdh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220264 representing NM_028069
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTCCGGCCCTCCTGTGGCCTTCCTGTGTTGCCATGGCTCACAGTGTGTTGGCCAACCTC
 CGGGACCTTGGCCAGACCCAGGTCTGCTCTGTGAACCAGACCATATTTAGAGTCGAGGAGAACCAC
 TGTCTGAGCCACTGGTGAACATTTTTGTCCAGACGGCCTGCACGTGACCTTGGGACCTTGTCCACT
 CCTTATGCCTTTAGGATCGAAGGAAAAGATCTGTTTCTCAACGTGACTCCAGATTATGAGGAAAACAT
 TGCTCCAGGCAGATGTGGAGTGTAAAGAGGAGATGCGGTGGTGTACGCCTGGAGGTGTTGTGGCTGT
 CCTGGATATCAATGACAATGCGCAAAATTCCTTTGAAATCAAGACATTTAATGTATCGGAGGACACC
 AAAGTGAATAACAACCGTCATCCCTGAGACACAGCTGAAGGCTACAGATGCTGACATAAATGACATCTAG
 TCTACACTCTGCAGGAAGTGACCCCAATGCCAGCAAGTCTTCTCCCTGGAGGGCGTAAACTACCCTGC
 TCTGAAGTTGGACCAGACCTGGATTACTCAAGAATCAGAACATGACCTTCATGCTGCTGGCACGGGAT
 ACTTGGGAGGAAAATGTAGAGCCAGCCACACGGCCACTGCCACCTGGTCTTGAACACGCTGCCAGCTG
 ACCTACGGACCCCTGGTTCCTGCCATGCTCCTTACAGATGGCTATGTCTGCATTTCATGCCAATACAG
 TGCGGTTGTCCACGGGACACAACTGCCGTCCCCCTCATCATGAGTCTGGTCCCATCTATGCTGTG
 GACGGAGATCAGGCCATTAACAGTCTATCATCTACAGCATTATAGCGGAAACACAGATGGCACATTCA
 TCATCAACGCACACGATGGCAACCTCACAATGACCAAAAGTATCCCGAGCCCATGAAGTTCACCCCTTCT
 GATCAGGGCTGATCAGGAAGACATGGCTCAATACTCAGTGACCCAGGCCATCGTGGAGGCTCGCAGTGC
 ACTGGAACCCACTCCAGTCTCCAGAGCCTGTACTATGGCACAGTGGTACTGGGATCTGAGGCTGGCA
 CAGCAGTGAAGGACAAGACCTTCCCTTCGGAGATCCTGAGGATCCAGGCTCAGTACCCAGGCTTCCCGGA
 CCTCAACTCAGCTGTACATATCGAGTCACCAACTCCTCAGAATTCATGATGAATAAGGATATCATGCTG
 ACTGCTGTGCCTATGGAGGAAGCAAGAACCATCCGTGTAGAGGTAGAAGCTAGCAATACTGTGACTAAGG
 ACACAGCCACCGCTGTTGTTGAGATCCAGGTGTGACAGCGAGAAGTGCCTCCACAGGAGCAGGCGAGCA
 GGGTGTGGCCAGAGATTTCCACGGTGGACATGGCAGTGTGGGCGGGTGTAGGTGCACTGCTGTTG
 CTGGCCCTCATCTGCTTGGTTCATCCTCGTCCATAAGCACTACCGACATCGGCTCGCTTGTGCTGGGA
 AGGCTTCGGAGCCACAGCAAGTGGCTATGACAACCTGACCTTCTCCAGACCACAAGGCCAAGTGGTC
 GCCACCCCAACCGGAAGCCAGAGCCGAGCCCAAGCTTGCCAGCCGCCCTCCGGCCTCTAGCCCC
 ATGTCCTCCAGTCTACGCCCCAGCTCCACACCTCCTAGCCCTCAGCCAAAGCTTCCGGGTCTCCTA
 AGACAGTCCAGGCTGGGACAGCCCTTACGCCGTGAGGTCTATCCTGACTAAGGAGCGGGCGCGGAGGG
 GGAGGGCGGCTACAAGGCTGTGTGGTTCGGAAGGACATCGGGGAGAGGCTGACGTGGTGGTCTCAAC
 GAGCCACCGCCGATGTGGACAGCGCCAGTGCCTCGGGAAGTGAAGGCGAGCGATGATGATGACCCTGACC
 AGAAGAAGACTCTCCGCTTGGCGTGGATGCTGACAACACTTACATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_028069
- Insert Size:** 2010 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_028069.3](#), [NP_082345.1](#)

RefSeq Size: 2143 bp

RefSeq ORF: 2010 bp

Locus ID: 72040

UniProt ID: [Q8VHF2](#)

Cytogenetics: 7 F5

Gene Summary: Intermicrovillar adhesion molecule that forms, via its extracellular domain, calcium-dependent heterophilic complexes with CDHR2 on adjacent microvilli. Thereby, controls the packing of microvilli at the apical membrane of epithelial cells. Through its cytoplasmic domain, interacts with microvillus cytoplasmic proteins to form the intermicrovillar adhesion complex/IMAC. This complex plays a central role in microvilli and epithelial brush border differentiation.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate exon in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C- termini compared to isoform 1.