

Product datasheet for **MC221948**

Cdhr5 (NM_001114322) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cdhr5 (NM_001114322) 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: >MC221948 representing NM_001114322
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTCCGGCCCTCCTGTGGCCTTCCTGTGTGGCATGGCTCACAGTGTGTTGGCCAACTC
 CGGGACCTTGGCCAGACCCAGGTCTGCTCTGTGAACAGACCATATTTAGAGTCGAGGAGAACCAC
 TGTTTCTGAGCCACTGGTGAACATTTTTGTCCAGACGGCCTGCACGTGACCTTGGGACCCTTGCCACT
 CCTTATGCCTTTAGGATCGAAGGAAAAGATCTGTTTCTCAACGTGACTCCAGATTATGAGGAAAACAT
 TGCTCCAGGCAGATGTGGAGTGTAAAGAGGAGATGCGGTGGTGTACGCCTGGAGGTGTTTGTGGCTGT
 CCTGGATATCAATGACAATGCGCCAAAATTCTCCTTTGAAATCAAGACATTTAATGTATCGGAGGACACC
 AAAGTGAATAACAACCGTCATCCCTGAGACACAGCTGAAGGCTACAGATGCTGACATAAATGACATCTAG
 TCTACACTCTGCAGGAAGTGACCCCAATGCCAGCAAGTCTTCTCCTGGAGGGCGTAACTACCCTGC
 TCTGAAGTTGGACCAGACCTGGATTACTCAAGAATCAGAACATGACCTTCATGCTGCTGGCACGGGAT
 ACTTGGGAGGAAAATGTAGAGCCAGCCACACGGCCACTGCCACCCTGGTCTTGAACACGCTGCCAGCTG
 ACCTACGGACCCCTGGTTCCTGCCATGCTCCTCACAGATGGCTATGTCTGCATTTCATGCCAATACAG
 TGCGGTTGTCCACGGGACACAACTGCCGTCCCCCTCATCATGAGTCTGGTCCCATCTATGCTGTG
 GACGGAGATCAGGCCATTAACAGTCTATCATCTACAGCATTATAGCGGAAACACAGATGGCACATTCA
 TCATCAACGCACACGATGGCAACCTCACAATGACCAAAAGTATCCCGAGCCCATGAAGTTCACCCCTTCT
 GATCAGGGCTGATCAGGAAGACATGGCTCAATACTCAGTGACCCAGGCCATCGTGGAGGCTCGCAGTGC
 ACTGGAACCCACTCCAGTCTCCAGAGCCTGTACTATGGCACAGTGGTACTGGGATCTGAGGCTGGCA
 CAGCACTGAAGGACAAGACCTTCCCTTCGGAGATCCTGAGGATCCAGGCTCAGTACCAGGCTTCCCGGA
 CCTCAACTCAGCTGTACATATCGAGTCAACCACTCCTCAGAATTCATGATGAATAAGGATATCATGCTG
 ACTGCTGTGCCTATGGAGGAAGCAAGAACCATCCGTGTAGAGGTAGAAGCTAGCAATACTGTGACTAAGG
 ACACAGCCACCGCTGTTGTTGAGATCCAGGTGTCAGAGCGAGAAGTGCCTCCACAGAGTCCCCACACC
 CCCAGAAGCTGGAGGAACGACTGGGCCCTCAAGTAACACCACTATGGAAGCCCCCTTGACCTCTGGGACC
 TCTCAAAGACCTGCCACCACAGCTCTGGGGAAAGTGTGGCCATTCCACCTGGTGGCACAACCTAA
 GACCACCACCCCTGCCTATCCATACCTGGGGGTCCCTACTCTTGAACACAGCCTCTCCCCAGAC
 AACCACTCTGGTGGGACTCAGCACAGACCCCAAAACCAGGAACCTCTCATCAACAGCCCTACTTCC
 AGAACAAGTACCTCCCTCATGACAACCTCATCCAGAAGTACTCAACACAGACCCCAAGCCAGGAACCT
 CTAGCCAATGGTCCCCATTCCAGGGGCCAGCACCTTCTCAGCCAGCCACACCTAGTGGCAGCTCACC
 ACAGACCCCAAGCCAGGAACCTCTCAGTCAACAGCCACTGGGCCATCTCAGGAGCAGGCGAGCAGGGT
 GATGGCCAGAGATTTCCACGGTGGACATGGCAGTGTGGGCGGGGTGCTAGGTGCACTGCTGTTGCTGG
 CCCTCATCTGCTTGGTCACTCCTCGTCCATAAGCACTACCGACATCGGCTCGCTTGTGCTCTGGGAAGG
 TTCGGAGCCACAGCAAGTGGCTATGACAACCTGACCTTCTCCAGACCACAAGCCAAGTGGTGGCC
 ACCCCAAACCGGAAGCCAGAGCCGAGCCCAAGCTTGGCCAGCCGCCCTCCGGCCTCTAGCCCCATGT
 CCTCCAGTCTACGCCCCCAGCTCCACACCTCTAGCCCTCAGCCAAAGCTTCCGGGTCTCCTAAGAC
 AGTCCAGGCTGGGACAGCCCTCAGCCGTGAGGTCTATCCTGACTAAGGAGCGGCGCCGGAGGGGGAG
 GCGGCTACAAGGCTGTGTGGTTCGGCAAGGACATCGGGGACAGAGGCTGACGTGGTGGTCTCAACGAGC
 CCACCGCCGATGTGGACAGCGCCAGTGCCTCGGAAAGTAGGGCAGCGATGATGATGACCCTGACCAGAA
 GAAGACTCTCCGCTTTGGCGTGGATGCTGACAACACTTACATCTAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001114322
Insert Size: 2496 bp

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| 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_001114322.1 , NP_001107794.1 |
| RefSeq Size: | 2629 bp |
| RefSeq ORF: | 2496 bp |
| Locus ID: | 72040 |
| UniProt ID: | Q8VHF2 |
| Cytogenetics: | 7 F5 |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).</p> |