

## Product datasheet for **MC221947**

### **Cdhr3 (NM\_001024478) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdhr3 (NM_001024478) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdhr3
Synonyms:	1110049B09Rik; BB172694; Cdh28
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC221947 representing NM\_001024478  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATG**CAGGGGGCAGTCATTGTCTTGTCTTTGGGATCACCTCAGGAGGGGAAGCTCTACACCTGTCTC**  
**ACCTGCCTGCCACTAGCAACGTGGCAGAGAACGCTCCACCTGCCACTTTGGTGCACAAGTTTTCTGTGAA**  
**TTTATCAGTATCGTTGTACCTGTGATCCAGGGTTTCCCTTGGTAGCAACCCAAGGCCCTTACGGAG**  
**GCCTTCAGGGTGAACAGACTGTCAGCAACCAACTTTGAGGTGGTACCACCGGAAAGAACAAGTATTG**  
**TTGAAAGAGGACCGAAAGCATTTCGATTTGCAGATTTACGTTAAGGATGATGTCGGTGTACAGATGTGCA**  
**AGTCTGACTGTTGAGGTGACAGATGTGAACGAGCCTCCTCAGTTCCAAGGCATCCTGGCACAAGTTTA**  
**AACCTCTATGTATAGAAAGAACAACCTGGATTCATTTACCAGGTGGAGGCATTTGACCCAGAAGACA**  
**CAAGCCGGAGCATACCCCTCGGGTATTTCTCATTCTCCCTCGAAGAACTTCAGATGTCTGCAATGG**  
**CACCTCTTCTCTACCACAGAAGTGGACTTTGAAGCAGGGCACAAGAGCTTCAACCTCCTTGTGGGAGTA**  
**AGAGACAGTGGGAACCTCGAAGCCTCCACAGCTCTCCAGGTGACTATTGTGAACATCAATGATGAGACCC**  
**CGCGCTTTACCAGCCCCAGGAGGTGTACTCTGTCCCAGAAAGAAGTGCCTCTAGGAACCATGGTGGCGAA**  
**CATCACAGCAATGGATCCTGATGATGAGGGTTTTCTGGCCGCTCCTCTACAGCATCACTACCACCAGC**  
**AGCTATTTTCATGGTAGACCAGCTGACAGGGACAATCCAAGTGGCCGAAGGCTAGATCGAGATGCAGGCG**  
**AACTGAGACAGAAATCCCATATTTCTCTGGAAGTTCGAGTGAGAGACAGGCCCTCTGGGGTTCAGGAGAA**  
**CCGCATGCAGATAACCTTCATTGTGGAAGACATCAATGACAACCTGCAACATGCAGAAAGCTCACTTTC**  
**AGCATTATGTTGCCTGAAAGAACAGCCAACGGGACGTTGCTTTTGACCTGAACAAGTTCGTCTTGATG**  
**ATGACAGCGAAGCTCAAACAACAAATCAACTTTACCACGCCATCTGGAGCGGGAGCAGCCGAGAT**  
**TTACAGCATCCAGCTGGCTCTGGGAGAATTGTGTTGACTGGTGTACTAGACTATGAAAAATCCAAGCAAC**  
**CTTGCAAGTTGGCAATGTGTACAATGTGATGATCCAAGTGCAGGATGCTGCTCCTCATACTACAAAAAA**  
**GCATCTACATCTCTATCCTAACAAAGGCCAGAAAAATGAATTTCTCTCATCTTTGAAAGGCCATCGTACGT**  
**GTTTGTGTGCCAGAAAGAAGACCAGCTAGAACCAGATTGGGCAGGTGCGAGCTACCGATGCAGACTTC**  
**CCCCGGACTCCAGTGGTGTATTCGATCCAGAGGAGGGTCCAGCCTCCAGTACCCAAACATATTTTGGAA**  
**TTAACCCCAAGACAGGAGAACTCCAATAAACAAGCAGACCATGAAACCCTTCTGTCTACATTCT**  
**CACCGTCGAGGCCACCAACGGCGAGGACAGGAGCTCAGTCACTGTTACTGTGAACATCCTGGAGAAAAAT**  
**GATGAAAAGCCAGTATGTACTCCAAATTTTACTTCATGGCCATCCAGTGGATCTAAAAGTTGGCACAA**  
**ACATTCAGAATTTCAAGCTGACGTGACCTGACCTTGATTCTAGCCCCAGTTCTTTTCGATACTCCATTGG**  
**CTCAGGCAACATCAACAATCATTTCACCTTCTCTCCCAATGCCGGCTCCAACATCACGCGCTGCTGCTG**  
**GCTTCCCGCTTTGACTACAGCAGCCTCGATACCGTCTGGGACTACCAGCTGCTTGTCCACATTACTGATG**  
**ACAACCTTGCTGTCTGGCAGCACAAAAGCCAAGGCTCTTGTGAAACAGGGACAGTACTCTGAGTGTAA**  
**AGTCATTCTCACCAACCACAACCATCACAACCTCCAGGCCAGGATTACCTACCAGATCCGCAGGGAA**  
**AACGTGTACTCCACATCTGCATGGTATGTGCCGTTTCATCGTCACTCTGGGATCCATACTTCTTCTGGCC**  
**TTCTGGGGTCCCTGATGGTGTGCTGTCCAAAGCAGTCTACAGACATTGCTCCTTACGACCAGGAGGGA**  
**CAGGAAACCTCTGACAAAGAAAAGAGACACAAAAAGAATGAATAGAGAGGCCATGGTGGAACTATCCAG**  
**ATGAACCTGTCTTTGATGGAGAAGCCGTAGATCCAGTGACCGGGGAAATATATGAATTCAACTCAAAAA**  
**CTGGTGCCAGGAGGTGGAAGGCCATTAAACCAGCTGCCGAATTGGCCGAGCCAGTACCCAGCACAG**  
**AGGCACAGCTGGAGAAGCACCAGTCCCTAAACACACAGGGAGATAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001024478  
**Insert Size:** 2496 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001024478.1</a></u> , <u><a href="#">NP_001019649.1</a></u>
<b>RefSeq Size:</b>	2953 bp
<b>RefSeq ORF:</b>	2496 bp
<b>Locus ID:</b>	68764
<b>UniProt ID:</b>	<u><a href="#">Q8BL00</a></u>
<b>Cytogenetics:</b>	12 A3
<b>Gene Summary:</b>	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.[UniProtKB/Swiss-Prot Function]