

## Product datasheet for **MC222571**

### **Ctnnd1 (NM\_001085448) Mouse Untagged Clone**

#### **Product data:**

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                               |
| Product Name:             | Ctnnd1 (NM_001085448) Mouse Untagged Clone        |
| Tag:                      | Tag Free  |
| Symbol:                   | Ctnnd1  |
| Synonyms:                 | AA409437; AU019353; Catns; Ctnnd; mKIAA0384; P120 |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                              |



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**Fully Sequenced ORF:** >MC222571 representing NM\_001085448  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACGACTCAGAGGTGGAGTCGACCGCCAGCATCTTGGCCTCTGTGAAAGAACAAGAGGCCAGTTTG  
 AGAAGCTGACCCGGGCGCTGGAAGAGGAGCGGCCCATGTCTCGGCGCAACTGGAACGCGTCCGGGTCTC  
 ACCACAAGATGCCAACTCACTCATGGCCAATGGCACCCCTCACTCGTCGGCATCAGAACGGCCGGTTTGTG  
 GGCGATGCTGACCTTGAGAGACAGAAATTTTCAGATCTGAAACTCAACGGACCCAGGATCACAACCACC  
 TTCTGTACAGCACTATCCCAGGATGCAGGAGCCAGGACAGATTGTGAAACCTACACCGAGGAGGACCC  
 TGAAGGAGCCATGTCTGTTGTTTCTGTGGAGACCAGATGATGGGACCACTAGACGCACGGAGACCACA  
 GTCAAAAAAGTTGTGAAGACAATGACAACCTCGGACAGTACAGCCTGTCCCATGGGGCCAGACGGCTGC  
 CCGTGGACGCCTCAGCAGTCTCCAATACTATATCCAGACCTTGGGCCGTGATTTTCGCAAGAATGGCAA  
 TGGGGGCCCTGGTCCCTATGTGGGGCAAGCGGGCACTGCCACTTTCCTAGGAACTTCCACTATCTCCA  
 GATGGGTATGGCCGACACTATGAAGATGGTTATCCAGGTGGCAGTGACAACCTACGGCAGTCTGTCCCGGG  
 TGACCCGAATTGAGGAGCGGTATAGGCCAGCATGGAAGGCTACCGGGCACCCAGTAGACAAGATGTCTA  
 TGGGCCCCAGCCCAGGTTTCAGTAGGTGGAAGCAGTGTGGACCTGCATCGTTTTTCATCTGAGCCTTAC  
 GGGCTAGAGGATGACCAGCGCAGCATGGGCTATGATGACCTCGATTACGGCATGATGTCTGATTATGGTA  
 CTGCCCGTCGGACAGGAACCCCTTGACCCTCGACGACGCCTCAGGAGCTATGAAGACATGATTGGTGA  
 AGAGGTGCCGCTGATCAGTACTATTGGGCTCCTTAGCTCAGCATGAGCGGGCAGTTTAGCAAGCTTG  
 GATAGTTTGCAGAAAGGAATGCCCCACCTTCAAACCTGGAGACAGCCTGAGCTGCCAGAGGTGATTGCCA  
 TGTTAGGCTTCCGCTTGGATGCTGTTAAGTCCAATGCAGCTGCATACCTGCAGCACTTATGCTACCGCAA  
 TGACAAGGTGAAGACTGACGTGCGGAAGCTCAAGGGTATCCCGATATTGGTAGGATTGTTAGACCATCCC  
 AAAAAAGGAAGTGACCTCGGAGCCTGTGGAGCTCTCAAGAATATCTCTTTTGGACGTGACCAAGATAACA  
 AGATCGCCATAAAAACTGTGATGGTGTCTGCTCTGGTCCGATTGCTCCGAAAGGCTCGTGATATGGA  
 CCTGACTGAAGTGATTACTGGAACCCTGTGGAATCTCTCATCCCATGATTCAATCAAAATGGAGATTGTG  
 GACCATGCGCTACATGCCTTGACAGATGAAGTTATCATTCCACATTCTGGTTGGGAGAGAGAACCTAATG  
 AAGACTGTAAGCCACGGCATATTGAATGGGAGTCAGTGCTTACCAACACTGCTGGCTGCCTTCGGAACGT  
 AAGCTCAGAGAGGAGTGAAGCCCGGAGGAACTTCGGGAATGTGACGGCTTAGTTGATGCCCTCATTTTC  
 ATCGTTACGGCAGAAATTGGGCAGAAGGATTACAGACAGTAAGCTTGTGGAGAATTGTGTTGCCCTCTCC  
 GGAACCTATCATACCAAGTTCATCGTGAAATCCCACAGGACAGCGTTACCAGGAGGCCCTTCTACTGT  
 GGCTAACAGTACTGGGCCACACGCTGCCAGTTGCTTTGGAGCCAAGAAGGGCAAAGATGAGTGGTTCTCC  
 AGAGGGAAAAAGCCTACAGAGGATCCAGCAATGATACAGTGGATTTCCCTAAAAGAAGTCTGCTGCTC  
 GAGGCTATGAACTCTTATTTTCAGCCAGAAGTGGTGCGAATATACATTTCACTCCTTAAGGAGAGCAAGAC  
 GCCTGCCATCTTAGAAGCCTCGGCCGGAGCTATCCAGAAGTGTGTGCTGGCGTTGGACATATGGCAGA  
 TACATCCGCTCTGCTCTCGTCAGGAGAAGGCTCTCTGCCATAGCTGAGCTCCTTACGAGTGAGCATG  
 AGCGAGTAGTAAAAGCTGCTTCTGGGGCACTGAGAAATCTGGCTGTGGATGCTCGGAACAAGAGTTAAT  
 TGGCAAGCATGCTATTCTAACTTGGTAAAGAATCTGCCAGGAGGTCAACAGAAGTCTCCTGGAATTTT  
 TCTGAAGATACTGTGGTCTCCATATTGAACACCATCAACGAAGTTATCGCTGAGAACTTAGAAGCTGCCA  
 AAAAGCTTCGAGAGACGAGGATTGGAAGGCTGGTGTGATCAACAAATCAGGGAATCGTTACAGAAAA  
 AGAAGTCCGGGCAGCAGCTCTTGTCTCGACACAATCTGGGGCTATAAGGAGCTTCGGAAGCCACTGGAA  
 AAAGAAGGATGGAAGAAATCAGACTTCCAGGTGAATCTAAACAATGCATCTAGAAGCCAGAGCAGCCATT  
 CATATGATGATAGCACTCTCCCCTCATTGACCGGAATCAAAAATCAGATAACAACCTATCCACACTGAA  
 TGAGAGAGGAGACCACAACAGAACACTGGACCGATCTGGGGATCTGGGTGATATGGAACCATTGAAGGGA  
 GCACCCCTTGATGCAGAAGATT**TAG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

|                               |  |
|-------------------------------|--|
| <b>ACCN:</b>                  | NM_001085448   |
| <b>Insert Size:</b>           | 2754 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_001085448.1</a></u> , <u><a href="#">NP_001078917.1</a></u>  |
| <b>RefSeq Size:</b>           | 5294 bp  |
| <b>RefSeq ORF:</b>            | 2754 bp  |
| <b>Locus ID:</b>              | 12388  |
| <b>UniProt ID:</b>            | <u><a href="#">P30999</a></u>  |
| <b>Cytogenetics:</b>          | 2 49.45 cM   |
| <b>Gene Summary:</b>          | <p>Binds to and inhibits the transcriptional repressor ZBTB33, which may lead to activation of target genes of the Wnt signaling pathway (By similarity). Associates with and regulates the cell adhesion properties of both C-, E- and N-cadherins, being critical for their surface stability. Implicated both in cell transformation by SRC and in ligand-induced receptor signaling through the EGF, PDGF, CSF-1 and ERBB2 receptors. Promotes GLIS2 C-terminal cleavage.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks a 5' UTR segment and an alternate exon in the 3' coding region compared to variant 1. The resulting isoform (2) is shorter than isoform 1. Variants 3 and 7 both encode the same isoform (2).</p> |