

Product datasheet for **MC221929**

Ctnnd1 (NM_001085449) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ctnnd1 (NM_001085449) 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: >MC221929 representing NM_001085449
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGGAGCCAGGACAGATTGTGGAAACCTACACCGAGGAGACCCTGAAGGAGCCATGTCTGTTGTTT
 CTGTGGAGACCACAGATGATGGGACCACTAGACGCACGGAGACCACAGTCAAAAAAGTTGTGAAGACAAT
 GACAACCTCGGACAGTACAGCCTGTCCCATGGGGCCAGACGGGCTGCCCGTGAGCGCCTCAGCAGTCTCC
 AATAACTATATCCAGACCTTGGGCCGTGATTTTCGCAAGAATGGCAATGGGGGCCCTGGTCCCTATGTGG
 GGCAAGCGGGCACTGCCACTTCTCTAGGAACTCCACTATCCTCCAGATGGGTATGGCCGACACTATGA
 AGATGGTTATCCAGGTGGCAGTGACAACACGGCAGTCTGTCCCGGTGACCCGAATTGAGGAGCGGTAT
 AGGCCCAGCATGGAAGGCTACCGGGCACCCAGTAGACAAGATGTCTATGGGCCCCAGCCCCAGGTTGAG
 TAGGTGGAAGCAGTGTGGACCTGCATCGTTTTTCATCCTGAGCCTTACGGGCTAGAGGATGACCAGCGCAG
 CATGGGCTATGATGACCTCGATTACGGCATGATGTCTGATTATGGTACTGCCCGTCGGACAGGAACACCC
 TCTGACCCCTCGACGACGCCCTCAGGAGCTATGAAGACATGATTGGTGAAGAGGTGCCGCTGATCAGTACT
 ATTTGGGCTCCTTAGCTCAGCATGAGCGGGCAGTTTAGCAAGCTTGGATAGTTTGCGAAAGGGAATGCC
 CCCACCTTCAAAGTGGAGACAGCCTGAGCTGCCAGAGGTGATTGCCATGTTAGGCTTCCGCTTGGATGCT
 GTTAAGTCAAATGCAGCTGCATACCTGCAGCACTTATGCTACCGCAATGACAAGGTGAAGACTGACGTGC
 GGAAGCTCAAGGGTATCCCGATATTGGTAGGATTGTTAGACCATCCCAAAAAGGAAGTGCACCTCGGAGC
 CTGTGGAGCTCTCAAGAATATCTCTTTGGACGTGACCAAGATAACAAGATCGCCATAAAAACTGTGAT
 GGTGTTCTGCTCTGGTCCGATTGCTCCGAAAGGCTCGTGATATGGACCTGACTGAAGTATTACTGGAA
 CCCTGTGGAATCTCTCATCCCATTGATCAATCAAAATGGAGATTGTGGACCATGCGCTACATGCCCTTGAC
 AGATGAAGTTATCATTCCACATTCTGGTTGGGAGAGAGAACCTAATGAAGACTGTAAGCCACGGCATATT
 GAATGGGAGTCAGTGCTTACCAACTGCTGGCTGCCTTCGGAACGTAAGCTCAGAGAGGAGTGAAGCCC
 GGAGGAAACTTCGGGAATGTGACGGCTTAGTTGATGCCCTCATTTTCATCGTTCAGGCAGAAATTGGGCA
 GAAGGATTCAGACAGTAAGCTTGTGGAGAATTGTGTTGCCTCCTCCGAACTTATCATACCAAGTTCAT
 CGTGAAATCCCACAGGCAGAGCCTTACCAGGAGGCCCTTCTACTGTGGCTAACAGTACTGGCCACACG
 CTGCCAGTTGCTTTGGAGCCAAGAAGGGCAAAGGGAAAAAGCCTACAGAGGATCCAGCAAATGATACAGT
 GGATTTCCCTAAAAGAACTAGTCTGCTCGAGGCTATGAACTCTATTTCAGCCAGAAGTGGTGCGAATA
 TACATTTCACTCCTTAAGGAGAGCAAGACGCCATCTTAGAAGCCTCGGCCGGAGCTATCCAGAACT
 TGTGTGCTGGGCGTTGGACATATGGCAGATACATCCGCTCTGCTTTCGTCAGGAGAAGGCTCTCTCTGC
 CATAGCTGAGCTCCTTACGAGTGAGCATGAGCGAGTAGTAAAAGCTGCTTCTGGGGCACTGAGAAATCTG
 GCTGTGGATGCTCGGAACAAAGAGTTAATTGGCAAGCATGCTATTCTAACTTGGTAAAGAAATCTGCCAG
 GAGGTCAACAGAACTCCTCCTGGAATTTTTCTGAAGATACTGTGGTCTCCATATTGAACACCATCAACGA
 AGTTATCGCTGAGAACTTAGAAGCTGCCAAAAGCTTCGAGAGACGCAGGGTATTGAGAAGCTGGTGTG
 ATCAACAAATCAGGGAATCGTTCAGAAAAAGAAGTCCGGGCAGCAGCTCTGTCTGCAGACAATCTGGG
 GCTATAAGGAGCTTCGGAAGCCACTGGAAAAAGAAGGATGGAAGAAATCAGACTTCCAGGTGAATCTAAA
 CAATGCATCTAGAAGCCAGAGCAGCCATTCATATGATGATAGCACTCTCCCCCTATTGACCGGAACTCAA
 AAATCAGATAAGAAACCTGACCGGGAAGAAATCCAATGAGCAATATGGGGTCAAACACAAAATCATTAG
 ATAACAACTATTCCACTGAATGAGAGAGGAGACCACAACAGAACACTGGACCGATCTGGGGATCTGGG
 TGATATGGAACCATGAAGGGAGCACCTTGATGAAGATT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001085449
Insert Size: 2493 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_001085449.1 , NP_001078918.1 |
| RefSeq Size: | 5047 bp |
| RefSeq ORF: | 2493 bp |
| Locus ID: | 12388 |
| UniProt ID: | P30999 |
| Cytogenetics: | 2 49.45 cM |
| Gene Summary: | <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 (4) has multiple differences and uses a downstream start codon, compared to variant 1. The resulting protein (isoform 3) has a shorter N-terminus, compared to isoform 1.</p> |