

Product datasheet for **MC222729**

Ctnnd1 (NM_007615) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnnd1 (NM_007615) 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:

>MC222729 representing NM_007615
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGACTCAGAGGTGGAGTCGACCGCCAGCATCTTGGCCTCTGTGAAAGAACAAGAGGCCAGTTTG
 AGAAGCTGACCCGGGCGCTGGAAGAGGAGCGGCCCATGTCTCGGCGCAACTGGAACCGCTCCGGGTCTC
 ACCACAAGATGCCAACTCACTCATGGCCAATGGCACCCCTCACTCGTCGGCATCAGAACGGCCGGTTTGTG
 GGCGATGCTGACCTTGAGAGACAGAAATTTTCAGATCTGAAACTCAACGGACCCAGGATCACAACCACC
 TTCTGTACAGCACTATCCCAGGATGCAGGAGCCAGGACAGATTGTGAAACCTACACCGAGGAGGACCC
 TGAAGGAGCCATGTCTGTTGTTTCTGTGGAGACCAGATGATGGGACCACTAGACGCACGGAGACCACA
 GTCAAAAAAGTTGTGAAGACAATGACAACTCGGACAGTACAGCCTGTCCCATGGGGCCAGACGGCTGC
 CCGTGGACGCCTCAGCAGTCTCCAATACTATATCCAGACCTTGGGCCGTGATTTTCGCAAGAATGGCAA
 TGGGGGCCCTGGTCCCTATGTGGGGCAAGCGGGCACTGCCACTTTCCTAGGAACTTCCACTATCTCCA
 GATGGGTATGGCCGACACTATGAAGATGGTTATCCAGGTGGCAGTGACAACACGGCAGTCTGTCCCGGG
 TGACCCGAATTGAGGAGCGGTATAGGCCAGCATGGAAGGCTACCGGGCACCCAGTAGACAAGATGTCTA
 TGGGCCCCAGCCCAGGTTTCAGTAGGTGGAAGCAGTGTGGACCTGCATCGTTTTTCATCTGAGCCTTAC
 GGGCTAGAGGATGACCAGCGCAGCATGGGCTATGATGACCTCGATTACGGCATGATGTCTGATTATGGTA
 CTGCCCGTCGGACAGGAACCCCTCTGACCCTCGACGACGCCTCAGGAGCTATGAAGACATGATTGGTGA
 AGAGGTGCCGCTGATCAGTACTATTGGGCTCCTTAGCTCAGCATGAGCGGGCAGTTTAGCAAGCTTG
 GATAGTTTGCAGAAAGGGAATGCCCCACCTTCAAACCTGGAGACAGCCTGAGCTGCCAGAGGTGATTGCCA
 TGTTAGGCTTCCGCTTGGATGCTGTTAAGTCCAATGCAGCTGCATACCTGCAGCACTTATGCTACCGCAA
 TGACAAGGTGAAGACTGACGTGCGGAAGCTCAAGGGTATCCCGATATTGGTAGGATTGTTAGACCATCCC
 AAAAAGGAAGTGACCTCGGAGCCTGTGGAGCTCTCAAGAATATCTCTTTTGGACGTGACCAAGATAACA
 AGATCGCCATAAAAACTGTGATGGTGTCTGCTCTGGTCCGATTGCTCCGAAAGGCTCGTGATATGGA
 CCTGACTGAAGTGATTACTGGAACCCTGTGGAATCTCTCATCCCATGATTCAATCAAAATGGAGATTGTG
 GACCATGCGCTACATGCCTTGACAGATGAAGTTATCATTCCACATTCTGGTTGGGAGAGAGAACCTAATG
 AAGACTGTAAGCCACGGCATATTGAATGGGAGTCAGTGCTTACCAACACTGCTGGCTGCCTTCGGAACGT
 AAGCTCAGAGAGGAGTGAAGCCCGGAGGAACTTCGGGAATGTGACGGCTTAGTTGATGCCCTCATTTTC
 ATCGTTACGGCAGAAATTGGGCAGAAGGATTACAGACAGTAAGCTTGTGGAGAATTGTGTTGCCCTCTCC
 GGAACCTATCATACCAAGTTCATCGTGAATCCACAGGCAGAGCGTTACCAGGAGGCCCTTCTACTGT
 GGCTAACAGTACTGGGCCACACGCTGCCAGTTGCTTTGGAGCCAAGAAGGGCAAAGATGAGTGGTTCTCC
 AGAGGGAAAAAGCCTACAGAGGATCCAGCAATGATACAGTGGATTTCCCTAAAAGAAGTCTGCTGCTC
 GAGGCTATGAACTCTTATTTTCAGCCAGAAGTGGTGCGAATATACATTTCACTCCTTAAGGAGAGCAAGAC
 GCCTGCCATCTTAGAAGCCTCGGCCGGAGCTATCCAGAAGTGTGTGCTGGGCGTTGGACATATGGCAGA
 TACATCCGCTCTGCTCTCGTCAGGAGAAGGCTCTCTGCCATAGCTGAGCTCCTTACGAGTGAGCATG
 AGCGAGTAGTAAAAGCTGCTTCTGGGGCACTGAGAAATCTGGCTGTGGATGCTCGGAACAAAGAGTTAAT
 TGGCAAGCATGCTATTCCTAACTTGGTAAAGAATCTGCCAGGAGGTCAACAGAAGTCTCCTGGAATTTT
 TCTGAAGATACTGTGGTCTCCATATTGAACACCATCAACGAAGTTATCGCTGAGAAGTATAGAAGCTGCCA
 AAAAGCTTCGAGAGACGCAGGGTATTGAGAAGCTGGTGTGATCAACAAATCAGGGAATCGTTTCAGAAAA
 AGAAGTCCGGGCAGCAGCTCTTGTCTCGACACAATCTGGGGCTATAAGGAGCTTCGGAAGCCACTGGAA
 AAAGAAGGATGGAAGAAATCAGACTTCCAGGTGAATCTAAACAATGCATCTAGAAGCCAGAGCAGCCATT
 CATATGATGATAGCACTCTCCCCTCATTGACCGGAATCAAAAATCAGATAAGAAACCTGACCGGGAAGA
 AATTCCAATGAGCAATATGGGGTCAAACACAAAATCATTAGATAACAACCTATCCCACTGAATGAGAGA
 GGAGACCACAACAGAACACTGGACCGATCTGGGGATCTGGGTGATATGGAACCATTGAAGGGAGCACCCCT
 TGATGCAGAAGATT**AG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-RsrII

ACCN:	NM_007615
Insert Size:	2817 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:	<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:	<u>NM_007615.4</u> , <u>NP_031641.2</u>
RefSeq Size:	5475 bp
RefSeq ORF:	2817 bp
Locus ID:	12388
UniProt ID:	<u>P30999</u>
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 (1) encodes the longest isoform (1). Variants 1, 2, and 6 all encode the same isoform (1).</p>