

Product datasheet for **MR226711**

Ctnnd1 (NM_001085449) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnnd1 (NM_001085449) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR226711 representing NM_001085449
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCAGGAGCCAGGACAGATTGTGGAACTACACCGAGGAGACCCTGAAGGAGCCATGTCTGTTGTTT
 CTGTGGAGACCACAGATGATGGGACCACTAGACGCACGGAGACCACAGTCAAAAAAGTTGTGAAGACAAT
 GACAACTCGGACAGTACAGCCTGTCCCATGGGGCCAGACGGGCTGCCCGTGAGCGCCTCAGCAGTCTCC
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 GGCAAGCGGGCACTGCCACTCTTCTAGGAACTCCACTATCCTCCAGATGGGTATGGCCGACACTATGA
 AGATGGTTATCCAGGTGGCAGTACAACACGGCAGTCTGTCCCGGTGACCCGAATTGAGGAGCGGTAT
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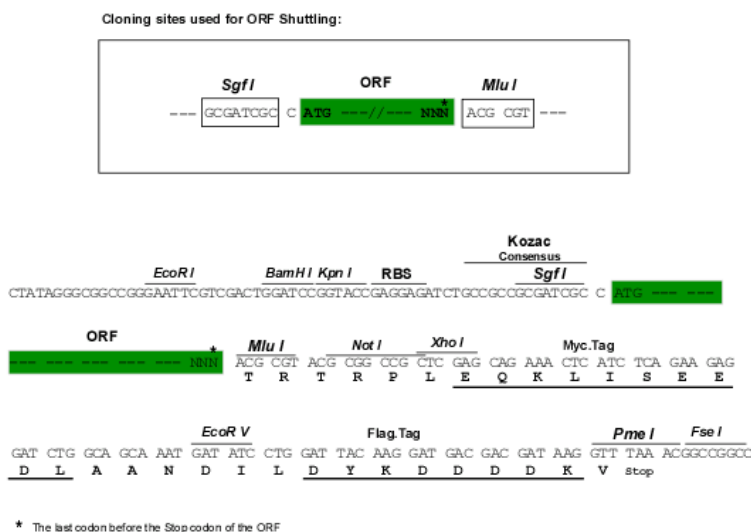
Protein Sequence: >MR226711 representing NM_001085449
Red=Cloning site Green=Tags(s)

MQEPGQIVETYTEEDPEGAMSVVSVETDDGTTTRRTETT VKKVVKMTTTRTVQPVMGPDGLPVDASAVS
NNYIQT LGRDFRKNNGGPGPYVGQAGTATLPRNFHYPPDGYGRHYEDGYPGGSDNYGSLSRVTRIEERY
RPSMEGYRAPSRQDVYGPQPQVRVGGSSVDLHRFHPEPYGLEDDQRSMGYDDL DYGMMSDYGTARRTGTP
SDPRRRLRSYEDMIGEEVPPDQYYWAPLAQHERGSLASLDSL RKGMPPPSNWRQPELPEVIAMLGFR L DA
VKSNAAYLQHL CYRNDKVKTDVRKLGIPILVGLLDHPKKEVHLGACGALKNISFGRDQDNKIAIKNCD
GVPALVRLLRKARDMDL TEVITGTLWNLSSHDSIKMEIVDHALHALTDEVIIPHSGWEREPNEDCKPRHI
EWESVL TNTAGCLRNVSSERSEARRKLRECDGLVDALIFIVQAEIGQKSDSKLVENCVCLLRNLSYQVH
REIPQAERYQEALPTVANSTGPHAASCFGAKKGGKKTEDPANDTVDFPKRTSPARGYELLFQPEVVRI
YISLLKESKTPAILEASAGAIQNL CAGRWTYGRYIRSALRQEKALSAIAELLTSEHERVVKAASGALRNL
AVDARNKELIGKHAIPNLVKNLPGGQQNSSWNFSEDTVVSILNTINEVIAENLEAAKKLRETQIEKLV
INKSGNRSEKEVRAAALVLQTIWGYKELRKP LEKEGWKKSDFQVNLNNASRSQSSHSYDDSTLPLIDRNQ
KSDKKPDREEIPMSNMGSNTKSLDNNYSTLNERGDHNRTLDRSGDLGDMEPLKGAPLMKI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9032_h03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_001085449

ORF Size: 2490 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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

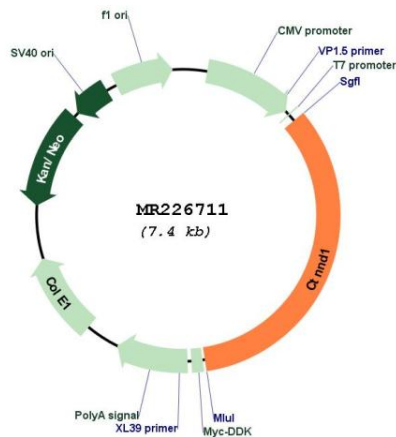
UniProt ID: [P30999](#)

Cytogenetics: 2 49.45 cM

MW: 92.9 kDa

Gene Summary: 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]

Product images:



Circular map for MR226711