

Product datasheet for **MR226714**

Ctnnd1 (NM_001085450) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ctnnd1 (NM_001085450) 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:

>MR226714 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGACTCAGAGGTGGAGTCGACCGCCAGCATCTTGGCCTCTGTGAAAGAACAAGAGGCCAGTTTG
 AGAAGCTGACCCGGGCGCTGGAAGAGGAGCGGCCCATGTCTCGGCGCAACTGGAACGCTCCGGGTCTC
 ACCACAAGATGCCAACTCACTCATGGCCAATGGCACCCCTCACTCGTCGGCATCAGAACGGCCGGTTTGTG
 GGCGATGCTGACCTTGAGAGACAGAAATTTTCAGATCTGAAACTCAACGGACCCAGGATCACAACCACC
 TTCTGTACAGCACTATCCCAGGATGCAGGAGCCAGGACAGATTGTGAAACCTACACCGAGGAGGACCC
 TGAAGGAGCCATGTCTGTTGTTTCTGTGGAGACCACAGATGATGGGACCACTAGACGCACGGAGACCACA
 GTCAAAAAAGTTGTGAAGACAATGACAACCTCGGACAGTACAGCCTGTCCCATGGGGCCAGACGGCTGC
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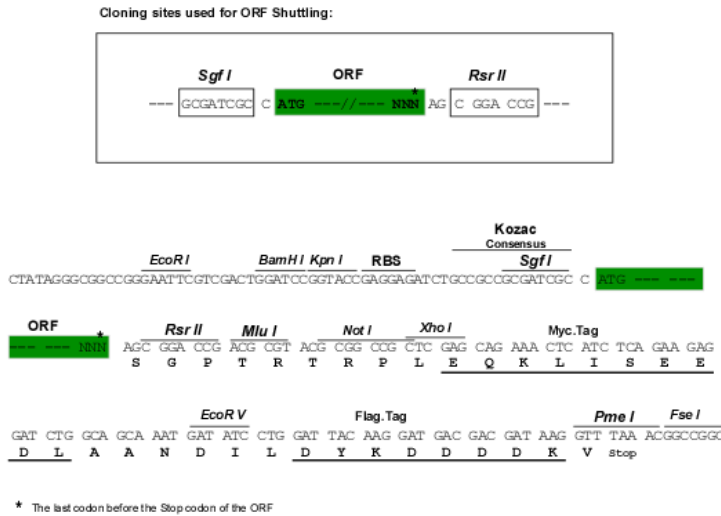
Protein Sequence: >MR226714 protein sequence
Red=Cloning site Green=Tags(s)

MDDSEVESTASILASVKEQEAQFEKL TRALEEERRHVSAQLERVRVSPQDANSLMANGTLTRRHQNGRFV
GDADLERQKFSCLKNGPQDHNHLLYSTIPRMQEPGQIVETYTEDPEGAMSVSVETDDGTTTRTETT
VKKVVKTMTTRTVQPVMPGPDGLPVDASAVSNNYIQTGRDFRKNNGGPGPYVQGAGTATLPRNFHYPP
DGYGRHYEDGYPGGSDNYGSLSRVTRIEERYRPSMEGYRAPSRQDVYGPQPQVVRVGGSSVDLHRFHPEPY
GLEDDQRSMGYDDL DYGMSDYGTARRTGTPSDPRRRLRSYEDMIGEEVPPDQYYWAPLAQHERGSLASL
DSLRLKGMPPPSNWRQPELPEVIAMLGFRLDVAVKSNAAYLQHLCYRNDKVKTQVRLKLGIPILVGLLDHP
KKEVHLGACGALKNISFGRDQDNKIAIKNCDGVPALVRLLRKARDMDL TEVITGTLWNLSSHDSIKMEIV
DHALHALTDEVIIPHSGWEREPNEDCKPRHIEWESVL TNTAGCLRNVSSERSEARRKLRECDGLVDALIF
IVQAEIGQKSDSKLVENCVLLRNL SYQVHREIPQAERYQEALPTVANSTGPHAASCFAKKGKDEWFS
RGKKPTEDPANDTVDFPKRTSPARGYELLFQPEVVRIYISLLKESKTPAILEASAGAIQNL CAGRWTYGR
YIRSALRQEKALSAIAELLTSEHERVKAASGALRNLAVDARNKELIGKHAIPNLVKNLPGGQQNSSWNF
SEDTVVSILNTINEVIAENLEAAKKLRETQGIEKLV L INKSGNRSEKEVRAAALVLQTIWGYKELRKPLE
KEGWKKSDFQVNLNNASRSQSSHSYDDSTLPLIDRNQKSDKKPDREEIPMSNMGSNKSLDNNYSTLNER
GDHNRTLDRSGDLGDMEPLKGAPLMQKI

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

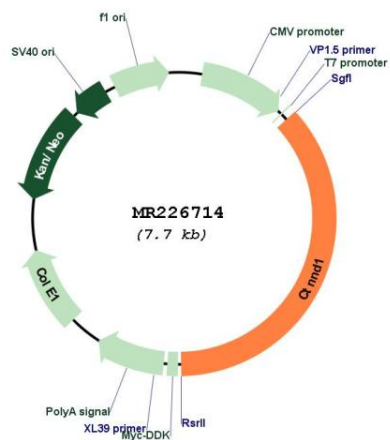


ACCN: NM_001085450

ORF Size: 2814 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:	<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_001085450.1 , NP_001078919.1
RefSeq Size:	5357 bp
RefSeq ORF:	2817 bp
Locus ID:	12388
UniProt ID:	P30999
Cytogenetics:	2 49.45 cM
MW:	104.9 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 MR226714