

Product datasheet for **MR225129**

Apcdd1 (NM_133237) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apcdd1 (NM_133237) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apcdd1
Synonyms:	AB023957; AU041258; Drapc1; EIG180
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225129 representing NM_133237
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTGGTGGCGCCGCTTCTGCTTGGATACCTGTTCCAGCCCTCCTGTTGCATGGGCTGGGAGAGG
 GCTCTGCCCTCCTTCATCCAGACAGCAGATCGCACCCCTCGGTCTTAGAGAAAAGCGCCTGGAGGGCTTT
 CAAGGAGTCACAGTGTCATCACATGCTGAAGCATCTCCACAACGGTGCAGGATCACAGTGCAGATGCC
 CCGACCATCGAGGGCCACTGGGTGTCCACAGGCTGTGAAGTAAGGTGGGTCCGGAGTTCATGACAAGGT
 CTTACAGGTTCTACAACAATAACCTTCAAGGCCTACCAGTTTTACTATGGCAGCAACCCTGTACAAA
 CCCCACCTACACCCTCATCATCCGAGGCAAGATCCGGCTTCGCCAGGCGTCTGGATCATCCGTGGGGC
 ACCGAAGTGAAGTACCAGCTTACGGCGTCCAAGTTCATCTGCCACACAGAGGCAGTGCAGTGAACAGCTCA
 GCCGACTGGTGAACCGAAGTTCGCCAGGCTTCTGGCTCTGGTGGTCCCTGGTACAGGACGTAGCCTA
 TGACCTGTGGCAGGAGAGTAACACAGTGCACCAAGGCTGTGAACCTTGCATGCAGAGCTGCAG
 CTATCCGTGTGGAGAAGCAGTATCCCCACACAGCCTGGACCACCTGGTGGAGGAGCTCTTCTGGGGC
 ACATCCACACGGACGCTACCCAGAGGGTGTCTACCGGCCGTCCAGTTACCAGCCGCCCTGCAGAAATGC
 CAAGAACCACAACCATGCGTGCATAGCCTGCCGCATATTTCCGGTCAGATGAACACCACCCTCCATA
 CTGCCCCCAAGGCTGACCTGACCATTGGCTCCACGGGGAATGGGTGAGCCAGCGCTGCAGGATCGCC
 CCGAGGTCCTCTTCTCACCCGCCACTTCATCTTCCACGACAACAACAACACCTGGGAAGGGCATTACTA
 CCACTACTCAGACCCTGTCTGAAGCACCCACATTACCATCTACGCTCGAGGCCGCTACAGCCGCGGT
 GTGCTCTCATCTAAGTTCATGGGTGGCAGGAGTTGTGTTCAAAGTGAATCACATGAAGTTACTCCCA
 TGGACGACGCCACAGCCCTCCCTCCTCAATGTCTTCAGTGGGAATGAGTGTGGGGCTGAGGGCTCCTGGCA
 GGTGGGTATCCAACAGGATGTGACACATACCAATGGCTGCGTGGCTCTGGGCATCAAACCTCACACA
 GAATATGAGATCTTCAAATGGAGCAAGACACCCGAGGCCGTACCTGCTGTTCAATGGCCAGAGGCCCA
 GCGATGGTCCAGCCAGACAGACCAGAGAAGAGGCCACATCCTACCAGATGCCCTTGGTCCAGTGTGC
 CTCTTCTCACCAAGAGCTGAAGAGTTGTTGGAAGACAGTCAAGGTCATCTGTATGGCAGGGCAGCAGGG
 AGGACAGTGGGTCCCTGTTGCTTCTGCCTTGTGACCTTTGGACTCTCCACATTGGCGCATCTCA
 GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225129 representing NM_133237
 Red=Cloning site Green=Tags(s)

MSRVRRLLLGYLFPALLLHGLGEGSALLHPDSRSHPRSLEKSAWRAFKESQCHHMLKHLHNGARITVQMP
 PTIEGHVSTGCEVRSGPEFMTRSRYFYNNNTFKAYQFYYSNRCTNPTYTLIIRGKIRLRQASWIIRGG
 TEADYQLHGVQVICHTEAVAEQLSRLVNRTCPGFLAPGGPWVQDVAYDLWQEESENHECTKAVNFAMHELQ
 LIRVEKQYPHSLDHLVEELFLGDIHTDATQRFVYRPSYQPPLQNAKNHNHACIACRIIFRSDEHHPPI
 LPPKADLTIGLHGEWVSQRCEVRPEVFLTRHFIFHDNNNTWEGHYHYSDPVCKHPTFTIYARGRYSRG
 VLSSKVMGGTEFVFKVNHMKVTPMDAATASLLNVFSGNECGAEGSWQVGIQQDVHTHNGCVLGIKLPHT
 EYEIFKMEQDTRGRYLLFNGQRPDSGSSPDRPEKRATSYQMPLVQCASSSPRAEELLEDSQGHLYGRAAG
 RTAGSLLLPAFVSLWTLPHWRILR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9016_a12.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_133237

ORF Size: 1542 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_133237.4](#)

RefSeq Size: 2799 bp

RefSeq ORF: 1545 bp

Locus ID: 494504

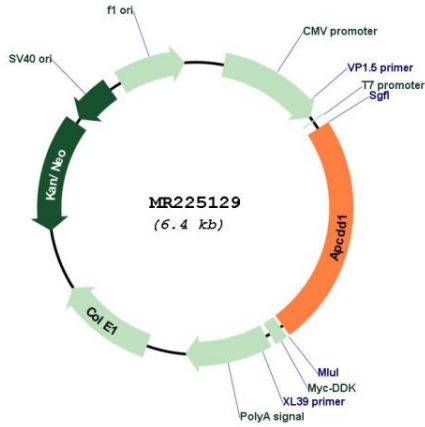
UniProt ID: [Q3U128](#)

Cytogenetics: 18 E1

MW: 59.1 kDa

Gene Summary: Negative regulator of the Wnt signaling pathway. Inhibits Wnt signaling in a cell-autonomous manner and functions upstream of beta-catenin. May act via its interaction with Wnt and LRP proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225129