

Product datasheet for **MG225129**

Apcdd1 (NM_133237) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apcdd1 (NM_133237) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Apcdd1
Synonyms:	AB023957; AU041258; Drapc1; EIG180
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225129 representing NM_133237
 Red=Cloning site Blue=ORF Green=Tags(s)
 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTGGTGGCGCCGCTTCTGCTTGGATACCTGTTCCAGCCCTCCTGTTGCATGGGCTGGGAGAGG
 GCTCTGCCCTCCTTCATCCAGACAGCAGATCGCACCCCTCGGTCTTAGAGAAAAGCGCCTGGAGGGCTTT
 CAAGGAGTCACAGTGTCAATCACATGCTGAAGCATCTCCACAACGGTGGCGGATCACAGTGCAGATGCC
 CCGACCATCGAGGGCCACTGGGTGTCCACAGGCTGTGAAGTAAGGTGGGTCCGGAGTTCATGACAAGGT
 CTTACAGGTTCTACAACAATAACCTTCAAGGCCTACCAGTTTTACTATGGCAGCAACCCTGTACAAA
 CCCCACCTACACCCTCATCATCCGAGGCAAGATCCGGCTTCGCCAGGCGTCTGGATCATCCGTGGGGC
 ACCGAAGTACTACCAGCTTACGGCGTCCAAGTCACTGTCACACAGAGGCAGTGCAGTGAACAGCTCA
 GCCGACTGGTGAACCGAAGTGGCCAGGCTTCTGGCTCTGGTGGTCCCTGGTACAGGACGTAGCCTA
 TGACCTGTGGCAGGAGAGTAACACAGTGCACCAAGGCTGTGAACCTTGCATGCAGAGCTGCAG
 CTATCCGTGTGGAGAAGCAGTATCCCCACACAGCCTGGACCACCTGGTGGAGGAGCTCTTCTGGGCG
 ACATCCACACGGACGCTACCCAGAGGGTGTCTACCGGCCGTCCAGTTACCAGCCGCCCTGCAGAAATGC
 CAAGAACCACAACCATGCGTGCATAGCCTGCCGCATATTTCCGGTCAGATGAACACCACCTCCCATAT
 CTGCCCCCAAGGCTGACCTGACCATGGCCTCCACGGGGAATGGGTGAGCCAGCGCTGCAGGTAACGCC
 CCGAGGTCCTCTTCTCACCCGCCACTTCACTTCCACGACAACAACAACACCTGGGAAGGGCATTACTA
 CCACTACTCAGACCCTGTCTGAAGCACCCACATTACCATCTACGCTCGAGGCCGCTACAGCCGCGGT
 GTGCTCTCATCTAAGGTATGGGTGGCAGGAGTTGTGTTCAAAGTGAATCACATGAAGGTTACTCCCA
 TGGACGCAGCCACAGCCTCCCTCCTCAATGTCTTCAGTGGGAATGAGTGTGGGGCTGAGGGCTCTGGCA
 GGTGGGTATCCAACAGGATGTGACACATACCAATGGCTGCGTGGCTCTGGGCATCAAACCTCACACA
 GAATATGAGATCTTCAAATGGAGCAAGACACCCGAGGCCGTACCTGCTGTTCAATGGCCAGAGGCCCA
 GCGATGGTCCAGCCAGACAGACCAGAGAAGAGGCCACATCCTACCAGATGCCCTTGGTCCAGTGTGC
 CTCTTCTCACCAAGAGCTGAAGAGTTGTTGGAAGACAGTCAAGGTCATCTGTATGGCAGGGCAGCAGGG
 AGGACAGTGGGTCCCTGTTGCTTCTGCCTTTGTGAGCCTTTGGACTCTCCACATTGGCGCATCTCA
 GA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG225129 representing NM_133237
 Red=Cloning site Green=Tags(s)
 MSRVRRLLLGYLFPALLLHGLGEGSALLHPDSRSHPRSLEKSAWRAFKESQCHHMLKHLHNGARITVQMP
 PTIEGHWVSTGCEVRSGPEFMTRSRYFYNNNTFKAYQFYYSNRCTNPTYTLIIRGKIRLRQASWIIRGG
 TEADYQLHGVQVICHTEAVAEQLSRLVNRTC PGFLAPGGPWQDVAYDLWQEESNHECTKAVNFAMHELQ
 LIRVEKQYPHSLDHLVEELFLGDIHTDATQRVYRPSYQPPQLQAKNHNHACIACRIIFRSDEHHPPI
 LPPKADLTIGLHGEWVSQRCEVRPEVFLTRHFIFHDNNNTWEGHYHYSDPVCKHPTFTIYARGRYSRG
 VLSSKVMGGTEFVFKVNHMKVTPMDAATASLLNVFSGNECGAEGSWQVGIQQDVHTHNGCVLGIKLPHT
 EYEIFKMEQDTRGRYLLFNGQRPSDSSPDRPEKRATSYQMPLVQCASSSPRAEELLEDSQGHLYGRAAG
 RTAGSLLLPAFVSLWTLPHWRILR

TRTRPLE - GFP Tag - V

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

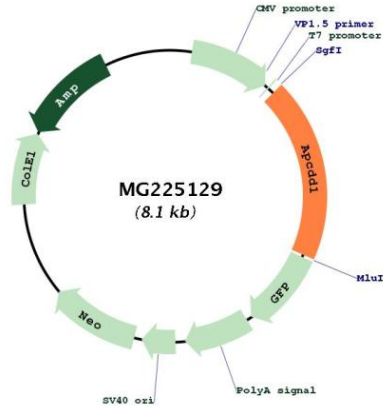
UniProt ID: [Q3U128](#)

Cytogenetics: 18 E1

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 MG225129