

Product datasheet for **RC239494**

DENND1C (NM_001290331) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND1C (NM_001290331) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DENND1C
Synonyms:	FAM31C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239494 representing NM_001290331
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGCAGATGGTGCCTAAATTCTGCTTCCCTTTTGATGTGGAAAGGGAGCCCCCAGCCCCGCGTGCAGC
 ATTTACCTTCGCCCTCACAGACCTTGCCGGCAACCGCAGATTTGGTTTCTGCCGCTGCGGGCGGGTAC
 CCAGAGCTGTCTCTGCATCCTCAGCCACCTGCCTTGGTTCGAGGTGTTTTACAAGCTATTGAACACAGTG
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 CCCCCCCTACCCGGGGGAATAGCAAGCCGCTTCTGCTTCGTGGCCCCGACTCCGGCCGCTGCCA
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 AGTCGCTGATCTTAAGAAGTCTTTGAGGGT

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 TGGATTACAAGGATGACGACGATAAGGTTTAA

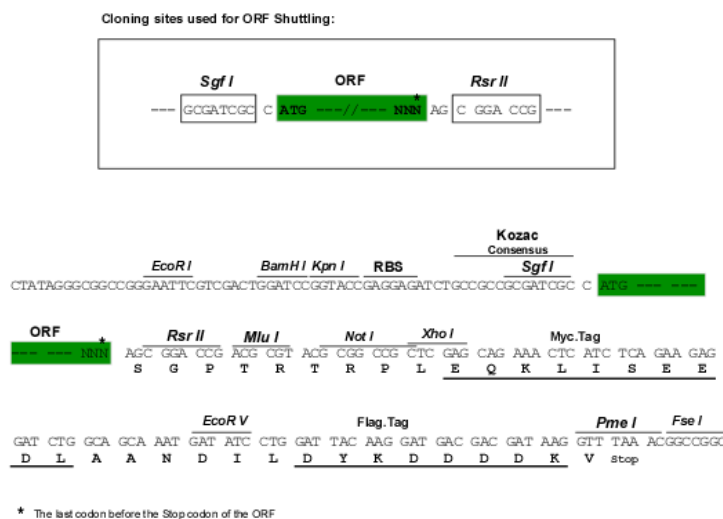
Protein Sequence: >RC239494 representing NM_001290331
 Red=Cloning site Green=Tags(s)

MQMVPKFCFPDVEREPPSPAVQHFTFALTDLAGNRRFGFCRLRAGTQSCLCILSHLPWFVEVFKLLNTV
 GDLLAQDQVTEAEELLQNLFQQSLSGPQASVGLGSGVTVSSGGIPPPTRGNSKPLSCFVAPDSGRPL
 SIPENRNLTELVAVTDENIVGLFAALLAERRVLLTASKLSTLTSCVHASCALLYPMRWEHVL IPTLPPH
 LLDYCCAMPYILIGVHASLAERVREKALEDVVVLNVDANTLETTFNDVQALPPDVVSLRLRLRKVALAP
 GEGVSRLFLKAQALLFGGYRDALVCSPGQPVTFSEEVFLAQKPGAPLQAFHRRVHLQLFKQFIEARLEK
 LNKGEFSDQFEQITGCGASSGALRSYQLWADNLKKGGLLHSVKAKTQPAVKNMYSAGSLKGVQS
 LLMYKDGDSVLQRGSLRAPALPSRDLQQRLPITQHFQKGNRPLRPSRRRQLEEGTSEPPGAGTPPLSP
 EDEGCPWAEALDSSFLGSGEELDLLSEILDSLMSGAKSAGSLRPSQSLDCCHRGDLDSFSLNIPRWQ
 PDDKKLPEPEPQPLSLPSLQNASSLDATSSSKDSRSQLIPESDQEVTSQSSTASADPSIWGDPKPS
 LTEPLILHLTPSHKAAEDSTAQENPTPWLSTAPTEPSPESPQILAPTQPNFDIAWTSQPLDPSSDPSSL
 EDPRARPPKALLAERAHLQPREPGALNSPATPTSNQKSPSSRPRVADLKKCFEG

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001290331

ORF Size: 2271 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001290331.2](#)

RefSeq Size: 2727 bp

RefSeq ORF: 2274 bp

Locus ID: 79958

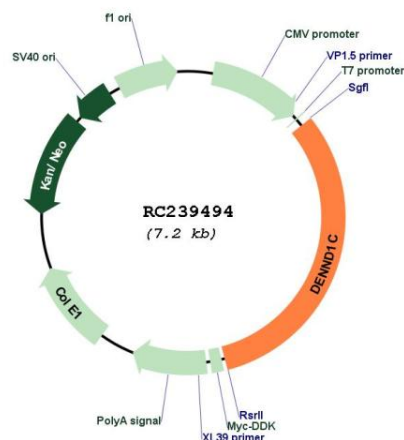
UniProt ID: [Q8IV53](#)

Cytogenetics: 19p13.3

MW: 82.6 kDa

Gene Summary: The protein encoded by this gene functions as a guanine nucleotide exchange factor for the early endosomal small GTPase RAB35, which regulates endosomal membrane trafficking and is involved in actin polymerization. The encoded protein activates RAB35 by promoting the exchange of RAB35-bound GDP for GTP. This gene may play a role in linking RAB35 activation with the clathrin machinery. [provided by RefSeq, May 2017]

Product images:



Circular map for RC239494