

Product datasheet for **RC230758**

DENND1B (NM_001195216) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DENND1B (NM_001195216) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: DENND1B
Synonyms: C1ORF18; C1orf218; FAM31B
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC230758 representing NM_001195216
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCAGCTCCACGGGAGGAGAAAAGATGGCCCCAACCTGTATTTTCGAATCCTGTGGTATTGTGGA
AATCCCAGAGGACTTTGGAGACCAGGAAATACTACAGAGTGTGCCAAAGTTCTGTTTTCCCTTTGACGT
TGAAAGGGTGTCTCAGAATCAAGTTGGACAGCACTTTACCTTTGTACTGACAGACATTGAAAGTAAACAG
AGATTTGGATTCTGCAGACTGACGTGAGGAGGCACAATTTGTTTATGCATCCTTAGTTACCTCCCTGGT
TTGAAGTGTATTACAAGCTTCTAAATACTCTTGACAGATTACTGGCTAAGGAACTGGAAAATGATTTGAA
TGAAACTCTCAGATCACTGTATAACCCAGTACCAAAGGCAAATACTCCTGTAATTTGAGTGTGCAT
TCCTACTTCATTGCCCTGATGTAAGTGGACTCCCAACAATACCCGAGAGTAGAAATCTTACAGAATATT
TTGTTGCCGTGGATGTGAACAACATGCTGCAGCTGTATGCCAGTATGCTGCATGAAAGGCGCATCGTGAT
TATCTCGAGCAAATTAAGCACTTAACTGCCTGTATCCATGGATCAGCTGCTCTTCTATACCCAATGTAT
TGGCAACACATATACATCCCAGTGCTTCTCCACACCTGCTGGACTACTGCTGTGCCCAATGCCATACC
TGATTGGAATACACTCCAGCCTCATAGAGAGAGTGAAAAACAAATCATTGGAAGATGTTGTTATGTTAAA
TGTTGATACAAACACATTAGAATCACCATTTAGTGACTTGAACAACCTACCAAGTATGTTGGTCTCGGCC
TTGAAAAATAAACTGAAGAAGCAGTCTACAGCTACGGGTGATGGAGTAGCTAGGGCCTTTCTTAGAGCAC
AGGCTGCTTTGTTGGATACTACAGAGATGCACTGAGATACAAACCTGGTGGAGCCCATCACTTTCTGTGA
GGAGAGTTTTGTAAGCACCGCTCAAGCGTGATGAAACAGTTCCTGGAACTGCCATTAACCTCCAGCTT
TTAAGCAGTTTATCGATGGTTCGACTGGCAAACTAAATGCAGGAAGGGGTTTCTCTGATGATTTGAA
AAGAGTCACTTCAGGTGGCTTTGTGGAGGTAAGACAAGTTACAATATGATTATCCATTTTCTCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC230758 representing NM_001195216
 Red=Cloning site Green=Tags(s)

MAAAPREEKRWPQPVFSNPVVLWKFPEDFGDQEILQSVPKFCFPFDVERVSQNQVGHFTFVLTDIESKQ
 RFGFCRLTSGGTICLCILSYLPWFVEVYKLLNLTADYLAKELNDLNETLRSLYNHPVPKANTPVNLSVH
 SYFIAPDVTGLPTIPESRNLTEYFVAVDVNNMLQLYASMLHERRIVIISSKSLTLTACIHGSAALLYPMY
 WQHIYIPVLPPLLDDYCCAMPYLIIGHSSLIERVKNKSLQEDVMLNVDNTNTLESFSDLNNLPSDVVSA
 LKNKLKKQSTATGDGVARAFLRAQAALFGYYRDALRYKPGEPITFCEESFVKHRSSVMKQFLETAIINLQL
 FKQFIDGRLAKLNAGRGFSDVFEEEITSGGFCGGKDKLQDYDYPFSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

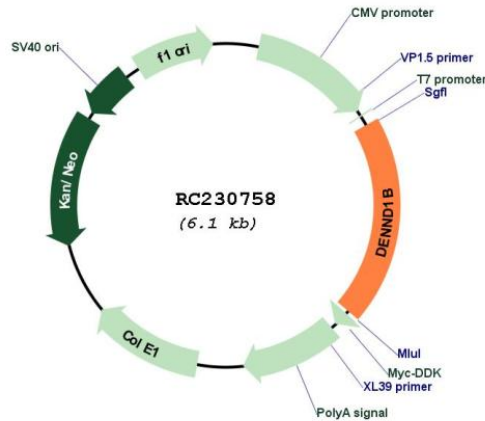
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001195216

ORF Size:	228 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_001195216.1 , NP_001182145.1
RefSeq ORF:	231 bp
Locus ID:	163486
UniProt ID:	Q6P3S1
Cytogenetics:	1q31.3
Protein Families:	Transmembrane
MW:	44.98 kDa
Gene Summary:	Clathrin (see MIM 118955)-mediated endocytosis is a major mechanism for internalization of proteins and lipids. Members of the connecdenn family, such as DENND1B, function as guanine nucleotide exchange factors (GEFs) for the early endosomal small GTPase RAB35 (MIM 604199) and bind to clathrin and clathrin adaptor protein-2 (AP2; see MIM 601024). Thus, connecdenns link RAB35 activation with the clathrin machinery (Marat and McPherson, 2010 [PubMed 20154091]).[supplied by OMIM, Nov 2010]