

Product datasheet for **SC335853**

DENND1B (NM_001300858) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND1B (NM_001300858) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND1B
Synonyms:	C1ORF18; C1orf218; FAM31B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335853 representing NM_001300858. Blue=Insert sequence Red=Cloning site Green=Tag(s)

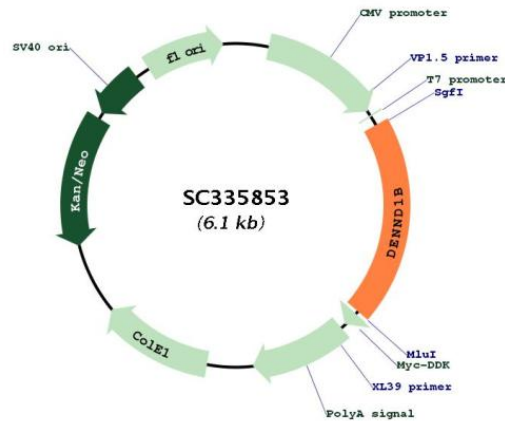
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GTTGAAAGGGTGTCTCAGAATCAAGTTGGACAGCACTTTACCTTTGACTGACAGACATTGAAAGTAAA
CAGAGATTTGGATTCTGCAGACTGACGTCAGGAGGCACAATTTGTTTATGCATCCTTAGTTACCTCCC
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ATTAACCTCCAGCTTTTTAAGCAGTTTATCGATGGTTCGACTGGCAAACTAAATGCAGGAAGGGTTTC
TCTGATGATTTGAAGAAGAGATCACTTCAGGTGGCTTTTGTGGAGGTAAGACAAGTTACAATATGAT
TATCCATTTCTCAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001300858

Insert Size: 1191 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001300858.1](#)

RefSeq Size: 2531 bp

RefSeq ORF: 1191 bp

Locus ID: 163486

UniProt ID: [Q6P3S1](#)

Cytogenetics: 1q31.3

Protein Families: Transmembrane

MW: 44.9 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]

Transcript Variant: This variant (5) contains multiple differences at the 5' and 3' ends, compared to variant 3, including initiation of translation at an alternate start codon. The resulting isoform (5) has distinct N- and C-termini and is shorter than isoform 3.