

Product datasheet for **SC111803**

DENND1C (NM_024898) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND1C (NM_024898) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND1C
Synonyms:	FAM31C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024898, the custom clone sequence may differ by one or more nucleotides

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ATGGAATCCAGAGCTGAAGGGGGCTCCCCTGCTGTGTTTGATTGGTTCTTGAAGCGGCCTGCCCTGCCT
CCCTGCAGGAGGATCCCCCATCCTGCGGCAGTTCCCTCCAGACTTCAGGGACCAGGAAGCTATGCAGAT
GGTGCCTAAATTCTGCTTCCCTTTTGATGTGAAAGGGAGCCCCCAGCCCGCCGTGCAGCATTTACCC
TTGCGCCCTCACAGACCTTGCCGGCAACCGCAGATTTGGTTTCTGCCGCCTGCGGGCGGTACCCAGAGCT
GTCTCTGCATCCTCAGCCACCTGCCTTGGTTCGAGGTGTTTTACAAGCTATTGAACACAGTGGGAGACCT
CCTAGCCCAGGACCAAGTCACCGAGGCAGAGAACTTCTTCAAAATCTGTTTCAGCAGTCCCTGTCTGGG
CCCCAGGCCTCAGTGGGGCTTGAGCTGGGCAGCGGAGTGACGGTCTCCAGCGGGCAGGGTATCCCCCCC
CTACCCGGGGGAATAGCAAGCCGCTTCTGCTTCTGTCGCCCCGACTCCGGCCGCTGCCATCCATCCC
TGAGAACAGGAACCTAACGGAGCTGGTGGTGGCCGTGACTGACGAGAACATCGTGGGGCTGTTGCGGGCG
CTCCTGGCCGAGAGAAGAGTCTGCTCACCGCCAGCAAACCTCAGCACCTGACCTCGTGCCTCCACGCT
CCTGCGCGCTCCTGTACCCCATGCGCTGGGAGCACGTGCTGATCCCCACGCTGCCCCACACCTGCTGGA
CTACTGCTGCGCGCCCATGCCCTACCTCATTGGAGTGCACGCCAGTCTCGCCGAGAGAGTACGAGAAAAA
GCCCTGGAGGACGTCTGGTGTCTGAACGTGGACGCCAATACCTTGGAGACGACCTTTAACGACGTGACGG
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TCCACCGCGGGCTGTGCACCTGCAGCTGTTCAAACAGTTCATCGAAGCCCGGCTGGAGAAGCTCAACAA
GGGGGAGGGCTTCTCAGATCAATTCGAGCAGGAGATCACTGGCTGCGGGGCTCCTCAGGGGCCCTTCGA
TCCTATCAGCTCTGGGCCGACAATCTAAGAAAGGTGGTGGCGCCCTCCTGCACTCAGTCAAGGCCAAGA
CCCAACCAAGCCGTCAAGAACATGTACCGCTCGGCCAAGAGTGGCTTGAAGGGGGTGACAGACCTTTAAT
GTATAAGGATGGGACTCTGTCTGCAGAGGGGGGCTCTCTGAGGGCCCCAGCCCTCCCCAGCCGCTCA
GACCGCTGCAGCAACGCCTCCCAATCACTCAGCACTTTGAAAGAACCAGGCCCTTCGCCCCAGCAGGA
GACGCCAGCTGGAAGAGGGAACCTCCGAGCCCCAGGGGCGGGGACACCCCACTGAGCCCTGAGGATGA
GGGGTGCCCGTGGGCAGAAGAAGCTCTGGACAGCAGCTTCTTGGGGTCTGGAGAAGAAGTGGATTGTTG
AGCGAGATTCTGGACAGTCTTAGCATGGGAGCCAAGAGCGCAGGCAGCCTGAGACCGAGCCAGAGTTAG
ACTGCTGTACAGAGGAGACCTGGACAGCTGCTTCAGCCTGCCAACATACCAAGATGGCAACCAGACGA
TAAGAACTACCAGAGCCGGAGCCCCAGCCCTTCCCTGCCATCCCTGCAAAATGCCTCGTCTTTGGAT
GCCACCAGCTCTTCAAAGGACTCCAGGTCCCAGCTGATACCCTCAGAGTCCGACCAAGAAGTCACGTCTC
CATCCCAGTCTCAACAGCTTCTGCAGACCCAAGCATCTGGGGGGACCCCAAACCTCTCCTCTCACAGA
GCCCCAATTCTTCATCTCACCCCTTCCCAAGGCAGCTGAAGATTCTACAGCCAGGAAAACCCCACT
CCCTGGCTCTCCACTGCACCCACTGAGCCAGCCCTCCAGAAAGCCCCAAATTCTGGCCCCACAAAGC
CCAACCTTGATATAGCCTGGACGTCCCAGCCCTTGATCCTTCTCAGACCCAGTTCTCTGGAGGACCC
CAGAGCCCGGCTCCCAAAGCCCTGCTGGCAGAGCGCGCTCACCTCCAGCCACGGGAGGAACCAAGAGCC
CTGAATTCCCCTGCTACCCACCAGCAACTGTCAAAAGTCCCAGCCAGCAGCCGGCCAGAGTCGCTG
ATCTTAAGAAGTGCTTTGAGGGTTAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024898 unedited <pre> NGGGGCGGTCATCATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGCCG GCTTGGGGCCCAGCATACACAGGCCCCAGGACCCCTGGGGAGAGGGCCCCGCTGGGCTG GCCCTGCAGGGACCATGGAATCCAGAGCTGAAGGGGGCTCCCCTGCTGTGTTTGATTGGT TCTTCGAAGCGGCCTGCCCTGCCCTCCCTGCAGGAGGATCCCCCATCCTGCGGCAGTTCC CTCCAGACTTCAGGGACCAGGAAGCTATGCAGATGGTGCCTAAATTCTGCTTCCCTTTTG ATGTGGAAGGGAGCCCCCAGCCCCCGCTGCAGCATTTACCTTCGCCCTCACAGACC TTGCCGGCAACCGCAGATTTGGTTTCTGCCGCTGCGGGCGGGTACCCAGAGCTGTCTCT GCATCCTCAGCCACCTGCCTTGGTTCGAGGTGTTTACAAGCTATTGAACACAGTGGGAG ACCTCCTAGCCCAGGACCAAGTACCGAGGCAGAGGAATTCTTCAAATCTGTTTCAGC AGTCCCTGTCTGGGCCCCAGGCCTCAGTGGGGCTTGAGCTGGGCAGCGGAGTGACGGTCT CCAGCGGGCAGGGTATCCACCCCCTACCGGNGGAATAGCAAGCCGCTTTCCTGCTTCG TGGCCCCGGACTCCGGCCGCTGCCATCCATCCCTGAGACAGGAACCTACGGAGCTGGTG GTGGCCGTGACTGACGAGACATCGTGGGCTGTTGCGGCGCTTCTGGCCGAGAGAGAGT NCTGCTACGNCAGCAACTCAGCACCTGACTNGTGCGTCCACGCGTCTGCGCGCTNCT GTACCATGCGCTGGNAGCACGTGCTGATCCACGCTGCCCA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024898
Insert Size:	8000 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_024898.1 , NP_079174.1
RefSeq Size:	2811 bp
RefSeq ORF:	2382 bp
Locus ID:	79958
UniProt ID:	Q8IV53
Cytogenetics:	19p13.3
Domains:	DENN, dDENN, uDENN

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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).