

Product datasheet for **SC111995**

DENND1A (NM_024820) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND1A (NM_024820) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND1A
Synonyms:	FAM31A; KIAA1608
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_024820 edited
 ATGGGGCTCCAGGATCAAGCAGAATCCAGAGACCACATTTGAAGTATATGTTGAAGTGGCC
 TATCCCAGGACAGGTGGCACTCTTTAGATCCTGAGGTGCAGAGGCAATCCCGGAGGAC
 TACAGTGACCAGGAAGTTCTACAGACTTTGACCAAGTTTTGTTTTCCCCTTCTATGTGGAC
 AGCCTCACAGTTAGCCAAGTTGGCCAGAACTTCACATTCGTGCTCACTGACATTGACAGC
 AAACAGAGATTCGGGTTCTGCCGTTATCTTCAGGAGCGAAGAGCTGCTTCTGTATCTTA
 AGCT:ATCTCCCCTGGTTCGAGGTATTTTATAAGCTGCTTAACATCCTGGCAGATTACAC
 GACAAAAAGACAGGAAAATCAGTGAATGAGCTTCTTGAAACTCTGCACAACTTCCCAT
 CCCTGACCAGGAGTGTCTGTCCATCTCAGCGTGCATTCTATTTTACTGTGCCTGATAC
 CAGAGAACTTCCCAGCATACCTGAGAATAGAAATCTGACAGAATATTTTGTGGCTGTGGA
 TGTTAACAAACATGTTGCATCTGTACGCCAGTATGCTGTACGAACGCCGATACTCATCAT
 TTGACGAAACTCAGCACTCTGACTGCCTGCATCCACGGGTCTGCGGCGATGCTTACCC
 CATGTAAGTGGCAGCAGTGTACATCCCCGTGCTGCCGCCGATCTGCTGGACTACTGCTG
 TGCTCCCATGCCCTACCTCATAGGAATCCATTTAAGTTTAAATGGAGAAAGTCAGAAACAT
 GGCCTGGATGATGTCGTGATCCTGAATGTGGACACCAACACCCTGGAAACCCCTTCGA
 TGACCTCCAGAGCTCCCAAACGACGTGATCTTCCCTGAAGAACAGGCTGAAAAAGGT
 CTCCACAACCACTGGGGATGGTGTGGCCAGAGCGTTCTCAAGGCCAGGCTGCTTTCTT
 CGGTAGCTACCGAAACGCTCTGAAAATCGAGCCGAGGAGCCGATCACTTTCTGTGAGGA
 AGCCTTCGTGTCCCACTACCGCTCCGGAGCCATGAGGCAGTTCCTGCAGAACGCCACACA
 GCTGCAGCTCTTCAAGCAGTTTATTGATGGTCGATTAGATCTTCTCAATTCCGGCGAAGG
 TTTTCAGTGATGTTTTGAAGAGGAAATCAACATGGGCGAGTACGCTGGCAGTGACAACT
 GTACCATCAGTGGCTCTCCACTGTCCGAAAGGAAGTGGAGCAATTCTGAATACTGTAAA
 GACCAAGCAAAATCCGGCCATGAAGACTGTCTACAAGTTCGAAAAGATCATGCAAAAAT
 GGGAAATAAAGAGGTGAAAAACCGCTTGAAGCAAAAGGACATTGCCGAGAATGGCTGCGC
 CCCACCCAGAAAGAGCAGCTGCCAAAGACTGCACCGTCCCACTGGTGGAGGCCAAGGA
 CCCAAGCTCCGAGAAGACCGCGGCCAATCACAGTCCACTTTGGACAGGTGCGCCACC
 TCGTCCACATGTTGTTAAGAGACCAAGAGCAACATCGCAGTGAAGGCCGGAGGACGTC
 TGTGCCGAGCCCTGAGCAAAACACCATTGCAACACCAGCTACACTCCACATCCTACAGAA
 AAGCATTACCCATTTGCGGCCAAGTCCCGACGAGAGGCTGGACCTTTCATCACATTG
 A

Restriction Sites: NotI-NotI

ACCN: NM_024820

Insert Size: 1700 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_024820.2.

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_024820.2 , NP_079096.2
RefSeq Size:	2166 bp
RefSeq ORF:	1680 bp
Locus ID:	57706
UniProt ID:	Q8TEH3
Cytogenetics:	9q33.3
Domains:	DENN, dDENN, uDENN
Gene Summary:	<p>Clathrin (see MIM 118955)-mediated endocytosis is a major mechanism for internalization of proteins and lipids. Members of the connecdenn family, such as DENND1A, 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]</p> <p>Transcript Variant: This variant (2) differs in the 3' UTR and coding region compared to variant 1, that causes a frameshift. The resulting isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.</p>