

Product datasheet for **SC319164**

DENND2D (NM_024901) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND2D (NM_024901) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND2D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024901.3
 CCTGGGTCCTGACATCCTTCTTGGCTCAACCACTGGGTGCACAGGATGGAACTTCTAT
 TCCCTCTCTGGAAGACAGCGCTGGCTTGGCTTACAGAGTTGTGGCTGGAGACCGAAGC
 AGCCCCCTTCTCAGGCTTACTGTCAACAGTCTGTCTGTGTAGGGGAGAGGGAGTCCGC
 TCTGTCTGAAGGCCAGAGATGGAAGGACAAGTGGTAGGCCGGGTGTTCAAGGCTTCC
 AACGCCGACTGCTTCACTCCGAGCAGGACACCCAGGACAATTCAGGGGAAGCTTTAA
 AGGAACCAGAAAGGGCCAGGAGCACTCTTGGCCAACTTGTGGGGGCGAGCACTTCT
 TTGAATACCTTCTTGTGGTTTCTCTCAAAAAGAACGTTTCAGAGGATGATTACGAGCCTA
 TAATCACCTACCAATTTCCCAAGCGGGAGAACCTGCTTCGGGGTCAGCAGGAGGAGGAGG
 AGCGGCTGCTCAAAGCTATCCCCTTGTCTGCTTCCAGATGGGAATGAGTGGGCATCAC
 TCACCGAGTATCCAGGGAGACCTTCTCCTTCTGTTCTGACCAATGTGGATGGGAGCAGAA
 AGATTGGATACTGCAGGCGCCTTGTGCTGCCGGCCCTGGCCCTCGCCTTCCCAAAGTGT
 ACTGCATCATCAGCTGCATCGGCTGCTTCGGCTTGTCTCCAAGATCCTGGATGAAGTGG
 AGAAGAGACATCAGATCTCCATGGCTGTCATCTACCCGTTTCATGCAGGGCCTCCGAGAGG
 CAGCCTTCCCTGCTCCTGGGAAGACTGTCACTCTCAAGAGCTTCATCCCCGACTCAGGCA
 CTGAGTTCAATTTCACTGACACGGCCCTGGACTCCACCTAGAACATGTGGATTTTGTGTT
 CTCTATTGCACTGTCTCAGTTTTGAACAGATACTTCAGATCTTTGCCTCTGCCGTGCTGG
 AGAGAAAAATCATCTTCTGGCGGAAGGTCTCAGCACCTTGTCTCAGTGCATCCATGCTG
 CTGCCGCACTGCTTACCCCTTCAGTGGGCGCACACCTACATCCCTGTTGTCCCTGAGA
 GCCTTCTGGCCACCGTCTGCTGCCCCACCCCTTCATGGTTGGAGTACAAATGCGCTTCC
 AGCAGGAGGTCTGGACAGCCCTATGGAAGAGGTCTGCTGGTCAATCTTTGTGAAGGAA
 CCTTCTTAATGTCGGTTGGTGATGAAAAAGACATCCTGCCACCGAAGCTTCAGGATGACA
 TCTTAGACTCTCTTGGTCAGGGGATCAATGAGTTAAAGACTGCAGAACAAATCAACGAGC
 ATGTTTTAGGCCCTTTTGTGAGTTCTTTGTCAAGATTGTGGGCATTATGCTTCTCTATA
 TCAAGCGGGAGGCAATGGGCAAGGCCACTTCCAAGAAAGATCCTTCTGTAAGGCTCTGA
 CCTCCAAGACCAACCGCGATTGTGAAGAAGTTGTGAAGACACAGCTTCTCACTTT
 TCATCCAGGAAGCCGAGAAGAGCAAGAATCCTCCTGCAGGCTATTTCCAACAGAAAATAC
 TTGAATATGAGGAACAGAAGAAACAGAAGAAACCAAGGGAAAAAACTGTGAAATAAGAGC
 TGTGGTGAATAAGAATGACTAGAGCTACACACCATTTCTGGACTTCAGCCCTGCCAGTG
 TGGCAGGATCAGCAAACTGTGAGCTCCCAAAATCCATATCCTCACTCTGAGTCTTGGA
 TCCAGGTATTGCTTCAAACTGGTGTCTGAGATTTGGATCCCTGGTATTGATTTCTCAGGA
 CTTTGGAGGGCTCTGACACCATGCTCACAGAACTGGGCTCAGAGCTCCATTTTTTGCAGA
 GGTGACACAGGTAGGAAACAGTAGTACATGTGTTGTAGACACTTGGTTAGAAGCTGCTGC
 AACTGCCCTCTCCCATCATTATAACATCTTCAACACAGAACACACTTTGTGGTCGAAAGG
 CTCAGCCTCTCTACATGAAGTCTGTGGACATGTAAGGACGAGAGTAAAGAGGAAAATCTT
 ATAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024901

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_024901.3, NP_079177.2</u>
RefSeq Size:	2062 bp
RefSeq ORF:	1416 bp
Locus ID:	79961
UniProt ID:	<u>Q9H6A0</u>
Cytogenetics:	1p13.3-p13.2
Domains:	DENN, dDENN, uDENN
Gene Summary:	Guanine nucleotide exchange factor (GEF) which may activate RAB9A and RAB9B. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.