

Product datasheet for **SC317776**

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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317776 representing NM_024901. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGAAGGACAAGTGGTAGGCCGGGTGTTCAAGCTCTTCCAACGCCGACTGCTTCAACTCCGAGCAGGA
CCACCCAGGACAATTCAGGGGAAGCTTTAAAGGAACAGAAAGGGCCAGGAGCACTCTTTGCCCAAC
TTTGCTGGGGGCGAGCACTTCTTTGAATACCTTCTGTGGTTTCTCTCAAAAAGAAGCGTTCAGAGGAT
GATTACGAGCCTATAATCACCTACCAATTTCCCAAGCGGGAGAACCTGCTTCGGGGTCAGCAGGAGGAG
GAGGAGCGGCTGCTCAAAGCTATCCCTTGTCTGCTTCCAGATGGGAATGAGTGGGCATCACTCACC
GAGTATCCAGGGAGACCTTCTCTTCTGTTCTGACCAATGTGGATGGGAGCAGAAAGATTGGATACTGC
AGGCGCCTCTTGCTGCCGCCCTGGCCCTCGCCTTCCCAAAGTGTACTGCATCATCAGCTGCATCGGC
TGCTTCGGCTTGTCTCCAAGATCCTGGATGAAGTGGAGAAGAGACATCAGATCTCCATGGCTGTATC
TACCCGTTTCATGCAGGGCCTCCGAGAGGCAGCCTTCCCTGCTCCTGGGAAGACTGTCACTCTCAAGAGC
TTCATCCCGACTCAGGCACTGAGTTTCTTCACTGACACGGCCCTGGACTCCACCTAGAACATGTG
GATTTTAGTTCTTATTGCACTGTCTCAGTTTGAACAGATACTTCAGATCTTGCCTCTGCCGTCTG
GAGAGAAAAATCATCTTCTGGCGGAAGGTCTCAGCACCTGTCTCAGTGCATCCATGCTGCTGCCCA
CTGCTTACCCCTTCAGCTGGGCGCACACCTACATCCCTGTTGTCCCTGAGAGCCTTCTGCCACCGTC
TGCTGCCCAACCCCTTCATGTTGGAGTACAAATGCGCTTCAGCAGGAGGTATGGACAGCCCTATG
GAAGAGGTCTGCTGGTCAATCTTGTGAAGGAACCTTCTTAATGTCGGTTGGTATGAAAAAGACATC
CTGCCACCGAAGCTTCAGGATGACATCTTAGACTCTCTTGGTCAGGGGATCAATGAGTTAAAGACTGCA
GAACAAATCAACGAGCATGTTTCAGGCCCTTTGTGCAAGTTCTTTGTCAAGATTGTGGGCCATTATGCT
TCCTATATCAAGCGGGAGGCAAAATGGGCAAGGCCACTTCCAAGAAAGATCCTTCTGTAAGGCTCTGACC
TCCAAGACCAACCGCGATTTGTGAAGAAGTTGTGAAGACACAGCTCTTCTCACTTTTCATCCAGGAA
GCCGAGAAGAGCAAGAATCCTCTGCAGGCTATTTCCAACAGAAAATACTTGAATATGAGGAACAGAA
AAACAGAAAGAAACCAAGGAAAAAACTGTGAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_024901
Insert Size:	1416 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:	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_024901.4</u>
RefSeq Size:	3296 bp
RefSeq ORF:	1416 bp
Locus ID:	79961
UniProt ID:	<u>Q9H6A0</u>
Cytogenetics:	1p13.3-p13.2
Domains:	DENN, dDENN, uDENN
MW:	53.7 kDa
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.