

Product datasheet for **SC309778**

DENND4A (NM_005848) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND4A (NM_005848) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND4A
Synonyms:	IRLB; MYCPBP
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005848, the custom clone sequence may differ by one or more nucleotides <pre> ATGATTGAAGACAAGGGGCTCGTGTTGCTGACTACTTTGTTGTAGCAGGATTAAGTAT GTTTCAAAGCCTCTAGAAGAAGAAATTCACCTCAATGATGCTTGCATAAAGTAGCTAAA CCAAAAGAACCTATTACAGATGTTTCAGTTATTATCAAATCTCTTGGGGAGGAAGTCCCA CAGGATTATATCTGTATTGATGTTACCCCAACTGGATTGTCAGCTGATCTTAATAATGGA AGTCTTGTGGGGCCACAGATTTACCTTTGCTATAGAAGAGGAAGAGATAAGCCTCCACTT ACAGATCTGGGGTTTTATATGACTGGAAGAAAGATTGAAACAGGGTTGTGAAATTATT CAGAGTACTCCCTATGGGCGCCCGCAAATATTAGTGGGAGTACCTCATCACAAGAATT TATATCACTTACCGAAGAGCCTCTGAAAACATGACTCAGAATACGTTGGCTGTCAGTGAC ATATGTATTATTATACCCAGTAAAGGAGAAAGCCACCACACACGTTCTGCAAAGTCGAC AAGAATCTCAATAACAGTATGTGGGGATCAGCAGTATACTTGTGTTATAAAAAATCGGTG GCAAAGACGAACACTGTATCTTACAAAGCTGGCCTAATTTGTAGATATCCTCAAGAAGAT TATGAGTCATTCTCACTACCGGAATCTGTTCTCTATTTTGTGTTACCAATGGGTGCAACC ATTGAATGTTGGCCATCAAATAGCAAATACCCTCTGCCTGTATTTTCTACTTTTGTGTTA ACTGGAGCCTCAGCTGAAAAGGTTTATGGTGCTGCTATTCAGTTTATGAACCATACTCT GAGGAGAATCTCACAGAAAAGCAGAGACTTCTTTTGGGTTTAACATCAGCAGATGGGAAG TCTGATAGTTCCAAAACAATTCATACTAACAATGCATCTGTCTTCTTTCTCACTGGCCT TTTTTGTATGCATTACAGGAAGTTTCTGACTTTTCTGTATCGTTATTCCATCTCTGGGCCT CATGTCCTTCCAATTGAGAAGCATATTTCTCATTTTATGCATAAAGTTCTTTTCCATCT CCTCAGAGACCACGGATTTTAGTTCAGTTATCACCACATGATAATCTGATTCTCAGTCAG CCTGTGTCTTCACCTCTTCCACTAAGTGGTGGCAAGTTTTCAACACTACTGCAGAATTTA GGCCCTGAAAATGCTGTGACACTACTGGTGTGTCAGTAACAGAACATAAAATTTCTTATC CATTCCCTACGGCCATCCGTGCTTACTAGTGTGACAGAAGCATTAGTGTCTATGATTTTC CCTTTCCACTGGCCATGCCGTATGTTCTCTCTGCCACTGGCTTTAGCAGATGTCTTG AGTGCACCATGTCCATTATAGTAGGGATTGATTCAAGATACTTTGATCTCTATGATCCT CCACCAGATGTCAGTTGTGTTGATGTAGATACCAACACTATTTCTCAAATTGGTGACAAG AAAAATGTAGCCTGGAAGATACTTCCAAAGAAGCCATGTAAAAATCTGATGAACACACTG AATAATTTGCATCAGCAATTGGCAAAATTCAGCAGAGACCGAGAGATGATGGACTCATG GATTTAGCAATAAATGACTATGATTTTAAATCTGGAAAGAGGTTGCACATGATAGATTTG GAAATCCAAGAGGCATTTTGTGTTTTCATGGCCTCTATTTTAAAGGTTACAGATCATAC </pre>



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CCTTATCTTTAA

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Restriction Sites:	Please inquire
ACCN:	NM_005848
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_005848.1</u> , <u>NP_005839.1</u>
RefSeq Size:	6585 bp
RefSeq ORF:	5598 bp
Locus ID:	10260
UniProt ID:	<u>Q7Z401</u>
Cytogenetics:	15q22.31

Gene Summary:

This gene encodes a DENN domain-containing protein that may function as a guanine nucleotide exchange factor that specifically activates ras-related protein Rab-10. This protein also contains a interferon stimulated response element-binding domain and may be involved in regulating the v-myc avian myelocytomatosis viral (MYC) oncogene. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8. [provided by RefSeq, Mar 2016]

Transcript Variant: This variant (2) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) is shorter compared to isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.