

Product datasheet for SC335071

DENND10 (NM_001303112) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND10 (NM_001303112) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND10
Synonyms:	FAM45A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001303112, the custom clone sequence may differ by one or more nucleotides

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ATGAAAACAAACTTCTCCATCCCTTTGTCTTTGGTGACTCATTTTTCTATTGTCCTGACCGCCAAAGATT
TTAACCCAGAGAAGTATGCTGCCTTCACTAGGATATTGTGTAGAATGTACCTGAAACATGGGAGCCAGT
TAAATGATGGAGAGTTATATTGCAGTTCTCACAAAGGGGATATGCCAGAGTGAAGAAAACGGCTCTTTC
CTTAGTAAGGATTTTGATGCCCGAAAGGCCTACCTGGCTGGCTCCATCAAAGACATTGTATCTCAGTTTG
GAATGGAACTGTTATCTTACACACAGCACTGATGCTAAAGAAAAGAATTGTGGTGTATCACCCCAAGAT
AGAAGCGGTCCAGGAGTTCACCAGGACTCTGCCTGCCCTGGTGTGGCACCAGCAGGACTGGACCATCCTT
CACTCTTACGTGCACCTCAACGCCGATGAGCTGGAAGCCCTGCAGATGTGCACAGTTACGTCGCTGGAT
TTGTAGACTTGGAGGTGAGCAACAGACCAGACCTCTATGATGTGTTTGTGAATCTGGCAGAGAGTGAGAT
TACCATTGCTCCCCTTGCAAAAGAGGCCATGGCAATGGGCAAACTGCACAAAGAAATGGGTGAGCTAATT
GTTGAGTCTGCAGAAGATCCAGAGAAATCAGAGAGCCACGTTATACAGGATATTGCTCTAAAAACAAGAG
AAATCTTTACCAACCTAGCACCGTTTTTCAGAAAGTTTCGGCTGATGGAGAAAAGAGAGTCCTTAATTTGGA
GGCGCTAAAGCAAAAACGATTTCACCAGCAACAGAAAACCTTCCTTTATCATCTAGCAGCAGCCGAACAA
ATGCTGAAAATCTGA
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001303112
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).


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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:	<u>NM_001303112.1, NP_001290041.1</u>
RefSeq Size:	2441 bp
RefSeq ORF:	855 bp
Locus ID:	404636
UniProt ID:	<u>Q8TCE6</u>
Cytogenetics:	10q26.11
Gene Summary:	<p>Guanine nucleotide exchange factor (GEF) regulating homeostasis of late endocytic pathway, including endosomal positioning, maturation and secretion, possibly through activating Rab proteins such as RAB27A and RAB27B. Seems to promote the exchange of GDP to GTP, converting inactive GDP-bound RAB27A and RAB27B into their active GTP-bound form. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses two alternate splice sites in the 5' region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1. 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.</p>