

## Product datasheet for **SC334458**

### DENND10 (NM\_001303113) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DENND10 (NM_001303113) 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_001303113, the custom clone sequence may differ by one or more nucleotides

ATGCTGCCTTCACTAGGATATTGTGTAGACATTGTATCTCAGTTTGAATGGAACTGTTATCTTACACA  
 CAGCACTGATGCTAAAGAAAAGAATTGTGGTGTATCACCCCAAGATAGAAGCGGTCCAGGAGTTCACCG  
 GACTCTGCCTGCCCTGGTGTGGCACCACAGGACTGGACCATCCTTCACTCTTACGTGCACCTCAACGCC  
 GATGAGCTGGAAGCCCTGCAGATGTGCACAGGTTACGTCGCTGGATTTGTAGACTTGAGAGTGAGCAACA  
 GACCAGACCTCTATGATGTGTTTGTGAATCTGGCAGAGAGTGAGATTACCATTGCTCCCCTTGCAAAAGA  
 GGCCATGGCAATGGGCAAACTGCACAAAGAAATGGGTGAGCTAATTGTTCACTGTCAGAGATCCAGAG  
 AAATCAGAGAGCCACGTTATACAGGATATTGCTCTAAAAACAAGAGAAATCTTTACCAACCTAGCACCGT  
 TTTCAGAAAGTTTCGGCTGATGGAGAAAAGAGAGTCCTTAATTTGGAGGCGCTAAAGCAAAACGATTTC  
 ACCAGCAACAGAAAACCTCCTTTATCATCTAGCAGCAGCCGAACAAATGCTGAAAATCTGA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001303113
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).
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).


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<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001303113.1, NP_001290042.1</u>
<b>RefSeq Size:</b>	2360 bp
<b>RefSeq ORF:</b>	621 bp
<b>Locus ID:</b>	404636
<b>UniProt ID:</b>	<u>Q8TCE6</u>
<b>Cytogenetics:</b>	10q26.11
<b>Gene Summary:</b>	<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 (4) uses an alternate splice site and lacks an exon in the 5' region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (4) 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>