

Product datasheet for **SC324513**

DENND10 (NM_207009) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENND10 (NM_207009) Human Untagged Clone
Tag:	Tag Free
Symbol:	DENND10
Synonyms:	FAM45A
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_207009.2
 GGCGGCGGAAGATGGCTGCGGCCGAGGTGGCGGACACTCAGCTGATGCTTGGAGTCGGGC
 TGATCGAAAAGGACACAAATGGAGAAGTTCTGTGGGTGTGGTGTATCCTTCCACGACAG
 CCACATTAAGGAACCTGCTGCTGAGAAAATGCTGCCTTACAGATGAAAACAACTTCTCC
 ATCCCTTTGTCTTTGGTCAGTACAGAAGACATGGTTTTATACACAACAAATTGAAGTTC
 CAGATTCTTCCATTTTAAAAAGGTGACTCATTTTTCTATTGCTGACCGCCAAAGATT
 TTAACCCAGAGAAGTATGCTGCCTTCACTAGGATATTGTGTAGAATGTACCTGAAACATG
 GGAGCCCAGTTAAAATGATGGAGAGTTATATTGCAGTTCTCACAAGGGGATATGCCAGA
 GTGAAGAAAACGGCTCTTTCCTTAGTAAGGATTTTGATGCCCGAAAAGGCTACCTGGCTG
 GCTCCATCAAAGACATTGTATCTCAGTTTGAATGGAACTGTTATCTTACACACAGCAC
 TGATGCTAAAGAAAAGAATTGTGGTGTATCACCCCAAGATAGAAGCGGTCCAGGAGTTCA
 CCAGGACTCTGCCTGCCCTGGTGTGGCACCGACAGGACTGGACCATCTTCACTCTTACG
 TGCACCTCAACGCCGATGAGCTGGAAGCCCTGCAGATGTGCACAGGTTACGTCGCTGGAT
 TTGTAGACTTGGAGGTGAGCAACAGACCAGACCTCTATGATGTGTTTGTGAATCTGGCAG
 AGAGTGAGATTACCATTGCTCCCTTGCAAAAGAGGCCATGGCAATGGGCAAACTGCACA
 AAGAAATGGGTACGCTAATTGTTCACTGTCAGAGATCCAGAGAAATCAGAGAGCCACG
 TTATACAGGATATTGCTCTAAAAACAAGAGAAATCTTTACCAACCTAGCACCATTTTCAG
 AAGTTTCGGCTGATGGAGAAAAGAGAGTCCTTAATTTGGAGGCGCTAAAGCAAAAACGAT
 TTCCACCAGCAACAGAAAACCTTCTTTATCATCTAGCAGCAGCCGAACAAATGCTGAAAA
 TCTGACTGTGTGACAGAACGTATCACTGATGACTGATAGAAAGCCCTCTTCACTCTGAT
 TACCCACTCACTACATGAAGTCTGAAAATAACAGAGAACTGTTATATCTTTTTAATGA
 TTTATTTGCAAGTATTGAGATTTGACCTGAAAAACAATGAAACACATGAACACACTTCCG
 ATTTTCTCCTCGCTGATTAGCTTCTGCTGCTGTCAGTGTGGACGAAGTGCTATACT
 ACTTTATGTAACATTACAGAACAGCTAGAGGTCCTGGGGTAAGAGAAAAAAGCACATCA
 CAACAAATGTGAAGCCCTTATTATTACACGTTCCAGTTTGTCTCGCTGTGTAGGCATAA
 GCTAATGGTTTATTTTCAGAAAGCTGCCTGAAACGTTGCTTTGTATTCTTCTAGGAAGAA
 CTTTAATTCCTCCTGAGGAACCTACTTTCTGAGCCAACTGCTAATTTCTGCGGAACT
 GTCTAGAGATCATTCAAGAGACCCTGCAGTTGCACTTTCTCGTAAAAGCAAAAAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_207009

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: [NM_207009.2](#), [NP_996892.1](#)

RefSeq Size: 2192 bp

RefSeq ORF: 1074 bp

Locus ID: 404636

UniProt ID: [Q8TCE6](#)

Cytogenetics: 10q26.11

Gene Summary: 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]

Transcript Variant: This variant (1) encodes the longest 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.