

## Product datasheet for **MC218999**

### Dennd6a (NM\_145969) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dennd6a (NM_145969) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dennd6a
Synonyms:	Fam116a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC218999 representing NM\_145969  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTGCCGGGCCCGCGGTCTTTGGGCCCGTTCCCGCGGTCTGGACGAGCCGGGGCTGAGG  
 GGCAGGCGCGGCCCTTGCAGCGCGGAGTCCGCGCTGGAGGACGAGGAGGAGACGATGGCCGCCG  
 GGGCCTGCTGCGCTGGGACGGCTTCTCGCCTGGCTACACTGCGTGTGTGGTGGGCTTCGACCTGGAG  
 CTGGGCCAGGCGGTGGAGGTGATATCCTCAGCATTCCAACTACTGATAAAGAAAAACCAATATTT  
 GCTACTTGTCTTTCCAGACTCAAATCAGGTTGCTTGGAGATACCCAGTTTTGTTTTAGATTCCGACA  
 GTCTTCTGGGAGAAGGGTGTCACTACACTGTCTTCTGATGAATTTGACAAAGATTTACCAGTTTACTTA  
 AAGAAAGATCCTGCATATTTTTATGGATATGTGATTTTCGACAAGTTCGAGATAAACTCTTAAAGAG  
 GCTACTTTCAAAGTCATTGGTTTTGATCAGCAAACCTTATATTCATTTTTTACACCGTACTCAA  
 ACAGATAGCACCAGAGTATTTTGAAGAAATGAACCTTACTTGGAAAGCAGCTTGAATGATGTTGACCGA  
 TGGCCTGCCCCAGTGCCAGGGAAAACGCTGCACCTGCCTATCATGGGACTAGTAATGAAGTTCCGGATTC  
 CCACGTGTCATGACAAGCCTGGGACCACGAGATGGTGCAGTTAACTCAGCAGGCAGATACACACATC  
 TATTATTTGCCTACTGTTACAGAGGTGGATCTTTTCCAGGTGTTTCTGCCAGTTTTTCTTACAGTCAG  
 ATGCTCTGGGAGTTGGTGTCTTTGGGAGAGCCCTGGTGGTCAATGGCGCCATCGCCGTCAGAATCTTCAG  
 AAAGTGTACTGGCTCTTGTAACTGTATCTCTCCATTAAGTACTTTAGTGATTTTCGGCCTTACTTCAC  
 GATTCATGATAGTGAATCAAAGAATACTACCCGACTCAAGTCCGCCCTCAGTCATCTTAGGAGTA  
 ACCAACCCCTTTTTGCTAAAACACTACAGCACTGGCCACACATTATTCGAATAGGAGATCTTAAACCTG  
 CAGGTGAAATTCCTAAGCAAGTTAAAGTGAAGAAAGCTGAAGAACCTAAAACTCTGGATTCTAAACCTGG  
 AGTTTATACTTCTTACAAGCCATATCTAAACAGAGATGAGGAGATCATAAAACAACCTCAGAAGGGTATA  
 CAGCAGAAGCGTCTTCTGAGGCCAAAGTGTATTCTCCGCGCTATTTTTGGAATAACACAAAGTT  
 TCATCATTCCATTAGAAAGATATGTGGCAAGCTTATGATGCTTTGCAGAAAAGTATTTCTCCTTGGAAAG  
 TCCACCCAGTTACGGCAGTTCTTCCAGAAGATTTATGAAAACACTTGAAGAAACAGGGCCTCAGCTC  
 ACCTCTGGAATAAAGGGCGACTGGATTGGACTTTACCGCAGTTTCTAAAGTCTCCAAATTTTATGGCT  
 GGTTCAGACCCGGCGGAAAGAAATGACTCAAAAATTGGAGGCCTTCTCTAGAAGCTCTTTGTGAAGA  
 GGTGAGAAAAAGTGTATTAGTACATGCAAGTGTTCAGAGTACAAAAGTATTCTTAGAGGCTTAGAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_145969
- Insert Size:** 1680 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).
- 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\\_145969.4](#), [NP\\_666081.1](#)

**RefSeq Size:** 2684 bp

**RefSeq ORF:** 1680 bp

**Locus ID:** 211922

**UniProt ID:** [Q8BH65](#)

**Cytogenetics:** 14 A3

**Gene Summary:** Guanine nucleotide exchange factor (GEF) for RAB14. Component of an endocytic recycling pathway that is required for the control of ADAM10 transport, shedding of N-cadherin/CDH2 by ADAM9 or ADAM10 and regulation of cell-cell junctions. Required for RAB14 recruitment to recycling endosomes (By similarity).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks several exons, and its 3' terminal exon extends past a splice site that is used in variant 1. This results in a novel 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (b) has a shorter and distinct C-terminus, compared to 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.