

## Product datasheet for MC223156

### Dennd2a (NM\_172477) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dennd2a (NM\_172477) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dennd2a  
**Synonyms:** B930096L08Rik; C130031G22; mKIAA1277  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223156 representing NM\_172477  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGCTGGAGGCCAGAGTGGACATGCTCAGCTCCAACATGATCATCAGTGGCCCGGCTGCAGACCTTGCCG  
 CTAAGAAGCCAGCAGACCCTGGAAGAAGCAGCTTAACAGTGTCCCGAATCTGGACCATCCGCCGAGC  
 CAGAGCCAGCCAGCCCTCAGCATAAAGGACAAGATATCCAAGTGGGAAGGCAAGAAGGAGCCACCC  
 GCCTCCGATCCCGCCAGGCAAACAGATGGCCAAGAGGACCACCTGCCATCCTGCAAGGTAGAGAGAAGAG  
 GCAGTGAGCTCACCAGAACTAAGAATGGAATGAGGCTTAAACAGAGAGATTGCAAAATGACAGCCGGGC  
 AAGAACTGTGTGTCAGGACACAGAACAGTTGCCAGGCCGAGGCCTATCGATGGACAGCCAGAGCTCAGC  
 CAGCACCGAGGTCGTGAGCTGAAACCCAGCGATCTACGCTTTCAAAGTGACCATCTCTGTGTGAGAC  
 AGGTCAAGAGACTAGAGAAGGCCTTGAAGGATGGCTCCGCTGGCTTGACCCTCAGATGCCGGGGACTTG  
 TTATTCACCTCACTGTCTGCCTGACAAAACAGAGGAAGACCTGCCAGTCTTGAAGCCACGAGAAGGGG  
 GGTGTCTTAGCAGCTGGCCGGAGAGCTCACCACCTGGAGGTGAGGAGCCGGGCCCTGAGATTTAGAGG  
 ATTGGAAGGCCAGGAGAGTGTCTATAGGGCTCCAGGTGATACCCCAAGCCTTTTATCAACCCTGT  
 CCCCAGCCCGCAGAACATTCAAACATGCTGGAGAAGGGGACAAGGATGTCAGCCAGGCATCAGCTTC  
 AAGAAAGAGAAGAAAACCTGCCTCCCCTGCCCTCTCTGCCTCCCCTCCCCACCGCTGCCTTCCTCCC  
 CTCTCCCACTTCCGTGAATAGAAGACTGTGGACCGGGAGGCAGAGACCCAGTGTGACCACAGAAAAGTC  
 CTATGAGTTTCGAGGACTTACTACAGTCTTCTCAGAGAACAGCAGGGTGGACTGGTATGCACAGACAAA  
 TTGGGACTCACACGCACTTTATCGGAGGAGAACGTCTATGAAGACATTCTAGATCCGCCAATGAAGGAAA  
 ATCCTTATGAAGATGTGGAGCTGCATGGCCGCTGCCTGGCAAGAAGTGTGTCTTGACTTCCCGCATC  
 TCCCACCTTCCATCCCGGACACGTCCACCAAGCAGTCTTGTCCAAGTCTGCATTTTCCGGCAGAAC  
 TCAGAAAAGAAGAACTTGAAGCTGTTGGACACTAGGAAGCTTAGTCGGGATGGAGCTGGGTCCCCGCTGA  
 GGACCAGTCTCCCTCTACACCTAGCAGCCCGGACGACAGCTTCTTTAACCTTGGAGACCTACAGAAATGG  
 CAGGAAGAAGAAAAGATCCCCAGGCTGGTATTGAGGATCAATGCCATTTATGAGCCCGGAGAGGAAAAG  
 AAACGGGTGAAGAGGCTATCCCAGTCCACGGAGAGCAACTCAGGAAAAGTGACAGATGAGAACAGTGAGT



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CTGACAGCGACACAGAGGAGAAGCTGAAAGCTCACAGCCAGCGCCTGGTCAATGTGAAGTCTCGCCTGAA
GCAGGCCCTCGATACTCATCGCTTGACCGGGATCTATTGAGTACCAAGAGAGGCAACTCTTCGAGTAC
TTCGTGGTTGTGTCTCTGCACAAGAAGCAGGCAGGGGCCGCTACGTGCCAGAGCTACCCAGCAATTC
CTCTGAAGTTAGAAAAGTCATTCAAGTTCATGAGAGAGGCTGAGGACCAGCTGAAGGCTATCCCCAGTT
CTGCTTCCCCGATGCTAAGGACTGGGCTCCTGTCCAGGAGTTTACCAGTAAAACATTCTCGTTTGTCTTA
ACTGGAGAAGACGGGAGCAGAAGGTTTCGGTTACTGCCGAAGACTGCTGCCTGGGGCAAAGGGAAGCGGC
GGAAAAGAGGAGAGGAATCTCCCCTGCCCTCGTGCAGCCCTCATGAGGAGCGTCATGGAAGCCCTTTC
CCAGCCCTGGGCAAACCATCATTGTCAAGAACTTCTGCCAGGCTCGGGGACTGAGGTGATTGAGTGT
GCCGACCCTGGACTCCCGGCTAGAGCAGTGGACTTTGAGTCTCTGTTCTCCTCCCTCAGTGTCCGACA
CTTGGTCAAGTGTCTTGCCTCCCTCCTTCTGAAAGGAGAGTCACTTTCATCGCAGACAACTCAGCACT
CTGTCAAATGCTGCCACGCAATGGTGGCGTCTCTACCCCTTCAGCTGGCAGCACACCTACATCCCGG
TGCTACCGCCCGCATGATCGACATAGTGTGCTCGCCACGCCCTTCTCATCGGGCTGCTCTCCAGCTC
GCTGCCTCTGCTCAGGGAGCTGCCACTGGAAGAGGTTCTCGTGGTCGATCTCATCAATGATCGGTTCCCT
AGGCAGATGGAGGACGAGGATTCATTCTGCCCGGAAGCTTCAGGTTGCCCTGGAACACATTCTGGAGC
AGAGGAATGACCTGGCCTGTGACCAGGATGGAGGCCCGCTGGACTGTGTGCACGGCCCTGAATCCAGTTC
CTTGAGTGAGGTGGTGTCCGAAGCCTTTGTCCGCTTTTTTGTGGAGATTGTGGGCCACTACCCCTGTTC
CTGACATCGGGTGAGGAGAGAAGCCTGCAACGAGAGGCCCTCAGAAAAGCTGTCTCCTCTAAGAGCCTGC
GGCGCTTCTGGAGGTCTTCATGGAGACCCAGACGTTCCGTGGCTTCATCCAGGAGCGGGAACACGAG
GCAAGATGCCAAAGGTCTGTTTGAAGTCCGAGCCAGGAGTACCTGGAACCCCTGCCAGCGGAGAGCAC
AGCGGAGTCAATAAATTCCTCAAGGACTGGGCAATAAATGAAGTTTCTCCACAAGAAATAA

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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_172477
- Insert Size:** 3003 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\_172477.4, NP\_766065.1
- RefSeq Size:** 4435 bp
- RefSeq ORF:** 3003 bp
- Locus ID:** 209773

UniProt ID: [Q8C4S8](#)

Cytogenetics: 6 B1

Gene Summary: Guanine nucleotide exchange factor (GEF) which may activate RAB9A and RAB9B. Promotes the exchange of GDP to GTP, converting inactive GDP-bound Rab proteins into their active GTP-bound form. May play a role in late endosomes back to trans-Golgi network/TGN transport (By similarity).[UniProtKB/Swiss-Prot Function]