

## Product datasheet for **MC227405**

### Dennd6a (NM\_001285466) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dennd6a (NM\_001285466) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dennd6a  
**Synonyms:** Fam116a  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227405 representing NM\_001285466  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGACTAGTAATGAAGTTCCGATTCCCACGTGTCATGACAAGCCTGGGACCACGCAGATGGTGCAGT  
 TAACTCAGCAGGCAGATACACACATCTATTATTTGCCTACTGTTACAGAGTGGATCTTTTCAGGTG  
 TTTCTGCCAGTTTTTCTCACAGTCAGATGCTCTGGGAGTTGGTCTCTTGGGAGACCCCTGGTGGTC  
 ATGGCGCCATCGCCGTCAGAATCTCAGAACTGTACTGGCTCTTGTTAACTGTATCTCTCCATTAAGT  
 ACTTTAGTGATTTTCGGCCTTACTTCACGATTCATGATAGTGAATTCAAAGAATACTACCCGACTCA  
 AGCTCCGCCCTCAGTCATCTTAGGAGTAACCAACCCCTTTTTTGCTAAAACACTACAGCACTGGCCACAC  
 ATTATTCGAATAGGAGATCTTAAACCTGCAGGTGAAATTCCTAAGCAAGTTAAAGTGAAAAAGCTGAAGA  
 ACCTAAAACCTCTGGATTCTAAACCTGGAGTTTACTTCTTACAAGCCATATCTAAACAGAGATGAGGA  
 GATCATAAAACAACCTCAGAAGGTATACAGCAGAAGCGTCTTCTGAGGCCAAAGTGTTATTCTCCGG  
 CGCTATTTTTTGAACAAACAAAGTTTCATCATTCCATTAGAAAGATATGTGGCAAGCTTGATGCCTT  
 TGCAGAAAAGTATTTCTCCTTGGAAAGAGTCCACCCAGTTCAGGCAGTTCTTCCAGAAGAATTTATGAA  
 AACACTTGAAAAACAGGCCTCAGCTCACCTCTGGAATAAAGGGCGACTGGATTGGACTTTACCGGCAG  
 TTTCTAAAGTCTCCAAATTTGTAGGCTGGTTCAAGACCCGCGGAAAGAATGACTCAAAAATTGGAGG  
 CACTTCATCTAGAAGCTCTTTGTGAAGAGGACCTCCTTCTCTGGATCCAGAAACACACAGAAGTAGAAAC  
 AGTGGACCTTGTTGAAGCTGAAAAATAAGTTGTTGCAGGCTGGCCGAGAGAGCTTACCTGTGAAGCCT  
 GACTGTGGAGAAGTTACGGACACATATAGATGCAATTATCCTGGCCTTACCAGACGACCTGCAAGGCA  
 TACTGCTCAAGACCGGCATGACA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001285466
<b>Insert Size:</b>	1146 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<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><a href="#">NM_001285466.1</a></u> , <u><a href="#">NP_001272395.1</a></u>
<b>RefSeq Size:</b>	6512 bp
<b>RefSeq ORF:</b>	1146 bp
<b>Locus ID:</b>	211922
<b>UniProt ID:</b>	<u><a href="#">Q8BH65</a></u>
<b>Cytogenetics:</b>	14 A3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) lacks several exons, uses an alternate 5'-terminal exon, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a. Both variants 3 and 4 encode the same isoform. 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>