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# Product datasheet for MR229617

## Denndd6a (NM_001285467) Mouse Tagged ORF Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | Dennd6a (NM_001285467) Mouse Tagged ORF Clone |
| **Tag:** | Myc-DDK |
| **Symbol:** | Dennd6a |
| **Synonyms:** | Fam116a |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |
| **Cell Selection:** | Neomycin |
| **ORF Nucleotide Sequence:** | >MR229617 representing NM_001285467<br>Red=Cloning site Blue=ORF Green=Tags(s)<br><br>TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC<br>GCCGCGATCGCC<br><br>ATGGGACTAGTAATGAAGGTTCGGATTCCCACGTGTCATGACAAGCCTGGGACCACGCAGATGGTGCAGT<br>TAACTCAGCAGGCAGATACACACACATCTATTATTTTGCCTACTGTTCACGAGGTGGATCTTTTCAGGTG<br>TTTCTGCCCAGTTTTTCTTCACAGTCAGATGCTCTGGGAGTTGGTGCTCTTGGGAGAGCCCCTGGTGGTC<br>ATGGCGCCATCGCCGTCAGAATCTTCAGAAACTGTACTGGCTCTTGTTAACTGTATCTCTCCATTAAAGT<br>ACTTTAGTGATTTTCGGCCTTACTTCACGATTCATGATAGTGAATTCAAAGAATATACTACCCGTACTCA<br>AGCTCCGCCCTCAGTCATCTTAGGAGTAACCAACCCCTTTTTTGCTAAAACACTACAGCACTGGCCACAC<br>ATTATTCGAATAGGAGATCTTAAACCTGCAGGTGAAATTCCTAAGCAAGTTAAAGTGAAAAAGCTGAAGA<br>ACCTAAAAACTCTGGATTCTAAACCTGGAGTTTATACTTCTTACAAGCCATATCTAAACAGAGATGAGGA<br>GATCATAAAACAACTTCAGAAGGGTATACAGCAGAAGCGTCCTTCTGAGGCCCAAAGTGTTATTCTCCGG<br>CGCTATTTTTTGGAACTAACACAAAGTTTCATCATTCCATTAGAAAGATATGTGGCAAGCTTGATGCCTT<br>TGCAGAAAAGTATTTCTCCTTGGAAGAGTCCACCCCAGTTACGGCAGTTCCTTCCAGAAGAATTTATGAA<br>AACACTTGAAAAAACAGGGCCTCAGCTCACCTCTGGAATAAAGGGCGACTGGATTGGACTTTACCGGCAG<br>TTTCTAAAGTCTCCAAATTTTGATGGCTGGTTCAAGACCCGGCGGAAAGAAATGACTCAAAAATTGGAGG<br>CACTTCATCTAGAAGCTCTTTGTGAAGAGGACCTCCTTCTCTGGATCCAGAAACACACAGAAGTAGAAAC<br>AGTGGACCTTGTGTTGAAGCTGAAAAATAAGTTGTTGCAGGCTGGCCGAGAGAGCTTACCTGTGAAGCCT<br>GACACTGTGGAGAAGTTACGGACACATATAGATGCAATTATCCTGGCCTTACCAGACGACCTGCAAGGCA<br>TACTGCTCAAGACCGGCATGACA<br><br>ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT<br>ACAAGGATGACGACGATAAGGTTTAA |



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**Protein Sequence:**

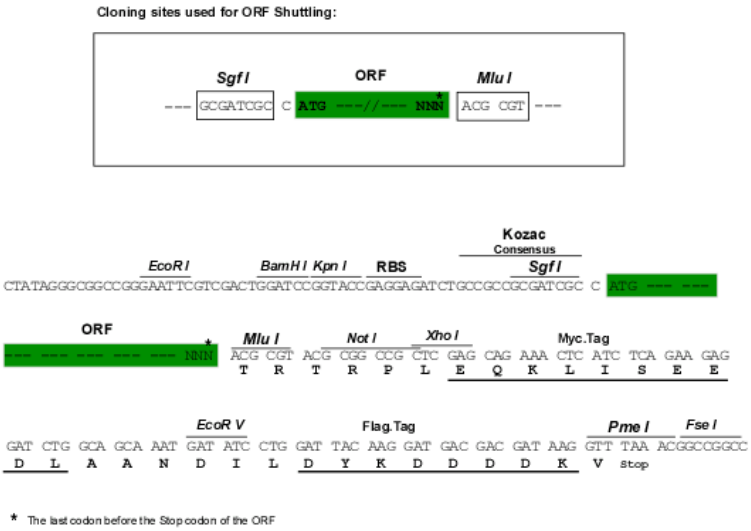
>MR229617 representing NM_001285467
Red=Cloning site Green=Tags(s)

MGLVMKVRIPTCHDKPGTTQMVQLTQQADTHTSIILPTVHEVDLFRCFCPVFLHSQMLWELVLLGEPLVV
MAPSPSESSETVLALVNCISPLKYFSDFRPYFTIHDSEFKEYTTRTQAPPSVILGVTNPFFAKTLQHWPH
IIRIGDLKPAGEIPKQVKVKKLKNLKTLDSKPGVYTSYKPYLNRDEEIIKQLQKGIQQKRPSEAQSVILR
RYFLELTQSFIIPLERYVASLMPLQKSISPWKSPPQLRQFLPEEFMKTLEKTGPQLTSGIKGDWIGLYRQ
FLKSPNFDGWFKTRRKEMTQKLEALHLEALCEEDLLLWIQKHTEVETVDLVLKLKNKLLQAGRESLPVKP
DTVEKLRTHIDAIILALPDDLQGILLKTGMT

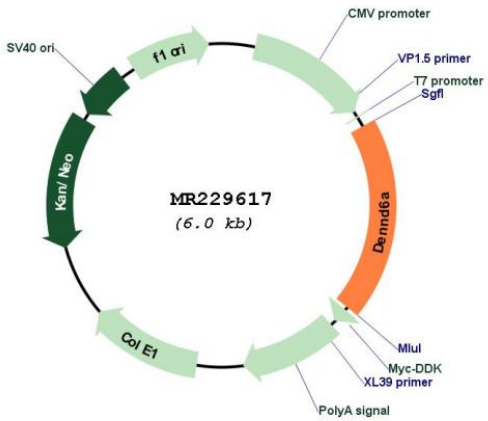
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**Plasmid Map:**




**ACCN:** NM_001285467

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|---|---|
| **ORF Size:** | 1143 bp |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001285467.1, NP_001272396.1 |
| **RefSeq Size:** | 6727 bp |
| **RefSeq ORF:** | 1146 bp |
| **Locus ID:** | 211922 |
| **UniProt ID:** | Q8BH65 |
| **Cytogenetics:** | 14 A3 |
| **MW:** | 44.2 kDa |
| **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] |