

Product datasheet for **MC226813**

Dennd2d (NM_001278941) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dennd2d (NM_001278941) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dennd2d
Synonyms: 2010308M01Rik; AI451421
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226813 representing NM_001278941
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGTCATCTACCCATTCATGCAAGGTCTCCGAGAGGCAGCCTTTCCTGCACCTGGAAAGACAGTCA
CCCTTAAGAGCTTCATTCCTGACTCAGGCACAGAGTTCATCTCACTGACACGGCCCTAGACTCCCACCT
TGAACACGTGGACTTCAGTGTTCTGCTACACTGTCTCCATTTGGAGCAGATTATTCAGATCTTTGCCTCT
GCAGTGCTGGAAAGAAAATCATCTTTTGGCAGAGGGTCTCAGTACCCTGTCTCAGTGTATCCATGCTG
CTGCAGCTCTGCTTTACCCATTTAGTTGGGCACACACATACATCCCTGTGGTCCCTGAGAGCCTTCTGGC
CACTGTCTGCTGCCCTACCCCTTCATGGTTGGGGTACAGATGCGCTTCCTGCAGGAGGTTATGGACAGT
CCCATGGAAGAGGTCCTGTTAGTGAATCTTTGTGAAGGAACCTTCTTATTGTCGGTTGGTGATGAGAAAG
ATATTCTACCACAAAACCTCAGGATGACATCTGGACTCTTTGGTCAAGGGATAAATGAGTTAAAGAC
TTCAGAACAAATCAATGAGCATGTTTCAGGCCCTTTGTACAGTCTTTGTCAAGACTGTGGCCACTAT
GCCTCCTATATAAAACGGGAGGCCAGTGGACAAGGTCATTTCCAAGAACGATCCTTCTGTAAGGCTGTTA
CCTCCAAGACCAAGCGCCGATTTGTGAAGAAGTTGTGAAGACACAACCTTTCTCCCTATTCATCCAGGA
AGCAGAGAAGAGCAGGAACCCCTCCTGCAGGCTACTTCCAAAAGAAAATACTTGAGTACGAGGAACAGAAG
AAACAGAAGAAATCAAGAGAAAGACTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001278941
Insert Size: 870 bp



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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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001278941.1</u> , <u>NP_001265870.1</u>
RefSeq Size:	4129 bp
RefSeq ORF:	870 bp
Locus ID:	72121
UniProt ID:	<u>Q91VV4</u>
Cytogenetics:	3 F2.3
Gene Summary:	<p>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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) has an alternate 5' UTR and uses a downstream start codon compared to variant 1. It encodes isoform 3 which has a shorter N-terminus compared to 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.</p>