

## Product datasheet for MC224624

### Dennd4b (NM\_201407) Mouse Untagged Clone

#### Product data:

|                           |                                                                                 |
|---------------------------|---------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                             |
| Product Name:             | Dennd4b (NM_201407) Mouse Untagged Clone                                        |
| Tag:                      | Tag Free                                                                        |
| Symbol:                   | Dennd4b                                                                         |
| Synonyms:                 | BC026996; mKIAA0476                                                             |
| Mammalian Cell Selection: | Neomycin                                                                        |
| Vector:                   | pCMV6-Entry (PS100001)                                                          |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                            |
| Fully Sequenced ORF:      | >MC224624 representing NM_201407<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCAGATGCAGTGAGTGAAGCAGAGGCCATGGCAGAGGAGCGGCCTCCCCGGTTGGTGGATTACT  
TTGTGGTGGCTGGGCTTGCAAGAAATGGAGCGCTATACCTGAGGAGAAGTGGTTCCCGAGCCTACCGG  
GCCCCGCGCCCTCCCCGGCCAGCTGAACCTATTACAGATGTGGCAGTCATCGCTAGGGCACTGGGCGAG  
GAGGTGCCCCAGGGCTATACATGCATTCACTTCTGCGGGTGGCCACCCCTTGAGCTCAGTGCTGGGC  
TCCTGGGTGGAACCAACAGTCATCTGCTACCGCAGGGGGCGTGACAAGCCCCCTCGTTGAGCTGGG  
GGTGTATATGAAGGGAAGGAACGACCAAGCTTGGGTTCCAAGTGCTTGACACGACACCGTATAGCCAC  
TCAGCCAATCTGGCCCTCCAGGCCCGGGCACCCCGCACCTACCTCATGTATCGGCGGGCAGCAGAAG  
GGGCAGGGCTGCATGCCCTGGGCATCACTGACCTCTGCCTGGTTCTGCCAGCAAGGGTGAGGGTACTCC  
TCATACTTACTGCCGGCTACCCCGCAACCTCAACCCTGGCATGTGGGGCCAGCAGTGACCTGTGCTAC  
AAGGTAGGCTGGCCAAGGCCAACACTGGTGTATGAGGCAGAGCTGCTGGGCCCTACCCAGAGGAAG  
ACAATGAGGCGTTTCCGCTGCCCGAGTCAGTCCCTGTCTTCTGTCTGCCATGGGGGCCACTATTGAGTG  
CTGGCCTGCCAGACCAAGTACCCAGTACCTGTCTTCTCCACCTTTGTGCTCACAGGCGCTGCTGGTGAT  
AAGGTGTATGGTGTGCTTTGCAGTTCTATGAAGCGTTCCCGAGGGCCAGGCTGTCAGAGAGGCAGGCAC  
GGGCACTGGGCCGTGATGAGTGCCGTGGAACGGGGCGGGCGCTGGGAGGCCGAGCTGTGCCAGCCGACG  
AGCCATAGCTGTGCTGTCCCGCTGGCCTGCCTTCCAGCCTTCCGAGCCTTCTCACCTTCTTTACCGA  
TACTCCGTCTCAGGCCCCCATCGTCTGCCCTTGAAGCGCACATCTCCACTTCATTACAACGTCCCAT  
TCCCATCCCCACAGAGACCACGCATCCTAGTGAGATGTCTCCCTATGACAACCTGCTCCTCTGTCAACC  
TGTCTCTCACCCCTGCCCTCAGTGGTGCTAGCTTTTGCAGCTGCTGCAGAACCTGGGCCAGAACTG  
GCTATTACATTGCTGCTGGCTGTGCTCACAGAGCACAACCTGCTGGTCCACTCGCTGCGGCCAGATCTGC  
TCACCAGCGTGTGCGAGGCCCTTGTCTCAATGATCTTCCCTCTGCATTGGCAGTGCTCCTACATCCCATT  
GTGCCCGTAGTGCTGGCGGATGTGCTGAGTGCCCCCGTCCCTTCATTGTGGGTATCCACTCCAGTTAT



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TTCGATCTGCATGACCCACCTGCTGACGTCATCTGTGTTGATCTTGATACCAACACGCTCTTCCAAAAGG  
 AGGAAAAGAAGCCCTCTCCGCTAGGACCCTGCCCCGAAGACCATAACAAGCTTTTATTGGCCACCCTGAC  
 AAGTCTGTACCAGCAGCTGGACCAGACTTACACTGGACCAGAGGAAGAGGCCTCCCTGGAATTCCTGCTG  
 ACAGACTATGAGGCTGTGTGTGGCCGACGAGTCCGCTGGAACGGGAAGTCCAGGGAGCCTTCTGCGCT  
 TCATGGCCTGTCTGCTCAAAGGTTACCGAACTTCTCCGTCCTCTCACGAGGCCCTCTGAGGGGTC  
 TCGAGATGTTGACAACCTTTTTACCTTCAGGGTTTCTCAAGTCCCGGAACGCTCAAGCCACAAGCTG  
 TACTCTCAGCTGCTGCACACACAGATGTTCTCACAGTTCATCGAGGAATGCTCTTTTGGCTCCGCCCGG  
 ACGCAGCCCTGGAATTCCTTACTCTTGTGTTGACAAGGTTACCCAGAGCAGGAGAAGCCCGAACCAAC  
 ACCCTTAGTGAGCTGGAGGAATATCAGGAAGTGAGCTCACTGTCTTTATCACACCCCCAGAGGAACCA  
 CCAGTACTGGAAGGCAGTGAGTCTACTCCTCAGTACTGTTATGATGGGTTTCCAGAGCTAAAGGCTGAGC  
 TATTTGAGTCTCCTCAGGAACAACAGGGGGCCCTCCCTGTGCCAGGCCCATCCCGAGTGCTCCCAGCAG  
 TCCTGCACCTCGCCGAACCAACAGGAGATGAAGGTTGCACAGCGAATGGCACAGAAGTCAGCCACTGTG  
 CCTGAGCTGTGGGCCGGTGCCTGCTGGGTCACTGCTACGGAAGTGTTCTTATGCCTGCCCGCTACG  
 TCGTTCCGTACCCTCCCGGTGCGTGCATTACATACGGCCTACCACGTGTTACGGGAAATGGAGAACCG  
 CAAGGTGGTGCTCCCTGATGAGGTGTGTTACCGCTGCTGATGCAGCTCTGCTCACACTATGGGCAGCCC  
 GTTCTGTCTGTGCGAGTCATGCTAGAGATGCGACGGGCAGGCATTGTGCCAACACCATCACTTACGGTT  
 ACTACAACAAGGCAGTGCTGGAAGCAAATGGCCATCTGGTACTCCGGGTGGACGCTACGCTGGGCCAA  
 GCTCCGGAATGTTGCTCCTGGGGGCTGCTCAGTTCGCCAGCCCTTAAAGGACCGAAGGCAGCAACAGCAG  
 CAGCAGCAGCAGCAGCAGCAGCAGAAGCAACAGGTGGCCGAGCAGCAAAAGTCGGGCAGCTCTCAGACAG  
 AGCCCTATCTGGAGCGTCCCTCCCAACGCGCCCTCTTACGCGCCAGACTACTTGGGCTGGGCGAAGTCT  
 ACGGGAACCATCTTACCCATGGGGCGCTGGTCAAGAGTGGTAGCCTAGGCAGTGCCCGTGGGACACAG  
 CCCACGGTGGAGGCTGGTGTGGCTCACATGATAGAGGCTTGGGGTCTGGAACCCCGCGGATCACCTG  
 TGCTTTGGCAGGACGGAAGCCTCTCAGACCTGAGTCTGACAGGGGAAGAAATGGACCTGGAGGCAGCCC  
 TGGGGGCTCAGGCTCCGCGCTGAGTGCCAGTCCACTGAGGCCCTAGAAGGGATAGTGGGCGGGGTTCC  
 AAAACTAGTGGATGTGAGGAGGAGTGGCACTCCAGAAAAGGCTGGGTGCCCGCTCCAACAGCTGC  
 TCACCCCTTCCCGCCGCGCTCTGCTTCCCGCATCCCCCACCTGAGTTGCCCTCTGACCTGCCTCCTGC  
 GGCCCCGCCAAGTCCCATGGATAGCCTTCTGTGGCCCCGAGAACGCCCGGATCCACTGCTTCTGAGAGC  
 TCTGCTTCTCTGGGCAGTGAGTGGGATATCTCAGAGTCTTCCCTCAGCAGCCTGAGTCTCCGCCGTTCT  
 CAGAGCGTCTCAGTGACACCCCTGGGGCTTCCAGCCACCCTCTCTGGAATTCTGATGTCTAGCTGTT  
 CTTGTGTCATGCCTGTGATTCCCTGGTGTACGATGAGGAATCATGGCTGGCTGGCACCAGGATGACTCT  
 AACCTTAATAACAATTGTCCCTTCTGCGCTGTCACTTTGTGCCCTGCTCAGTGTCCAGACTCTTGATT  
 CTCGACCCAGTGACCTAGTCCAAAGTCTTCCCTTGTGGCGCCAGTGGCTGCAAAGATGCTCCTGCCCC  
 TGGGGGCCCTGGCCCTGTGCTCAGTGACCGGAGGTTCTGCCTTGCCTGGATCAGCCCCAGCTCTGCAAT  
 GGGCATATGGGAGTGCTTCCCGCGAGTTGAGAATGGGGCATGGGCGTACCTGAGCCCTCTGGTGTGCTG  
 GTAAGGAAGTGGAGTCCCTGGTAGAGAATGAGGGCAGCGAGGTGCTGGCGTTACCTGAAGTGCCTGCTGC  
 CCACCCATATCATCTTCTGGAACCTCCTGTGGTATTTCCACGGCTACGCTGCCTAGTGTCTACCAAGC  
 CTGGTGTGGCCCTCCTGTAATGGGCCCCCAGCCAGCTCTCCAGGGACCATCTCCATGGCTAACCC  
 CTGATCCAGCTTCTGTGCATGTGCATCTGCTGTGGGATGCTGACCCCTGATCCCAACAGCTGCCACCC  
 TCTCTACGTGCTCTGGAGGTCACAGCCAGATCCACAGCGGGTGGTGTGGCCAGGCCAGTACCTCA  
 TGTCTTAGCTTGGCATTACTGGAGTCAGTGCTGCGCCACGTGGACTCAACGAGGTTTCAAAAGCTGTTG  
 GGCTTCTGCTGGAGACGCTAGGGCCCCCTCCACCGGCCTGCACCTACAGAGGGGAATCTACCGTGAGAT  
 CTTATTCCTGACCATGGCTGCTCTGGGCAAGGACCAGTGGATATAGTGGCCTTCGACAAGAAGTACAAG  
 TCTGCCTTTAACAAGCTGGCCAGCAGCATGGGCAAGGAGGAAGTGGGCAGCGCGGGCACAGATGCCCA  
 CTCCCAAGGCCATCGACTGCCGAAAGTGTGTTGGAGCACCTCTGGAATGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_201407  
 Insert Size: 4533 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>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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u><a href="#">NM_201407.4</a></u> , <u><a href="#">NP_958809.3</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 5419 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 4533 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 229541                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u><a href="#">Q3U1Y4</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 3 F1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | Guanine nucleotide exchange factor (GEF) which may activate RAB10. 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]                                                                                                                                                                                                                                                                                     |