

Product datasheet for **MG214375**

Dennd6b (NM_027081) Mouse Tagged ORF Clone

Product data:

| | |
|----------------------------------|----------------------------------|
| Product Type: | Expression Plasmids |
| Tag: | TurboGFP |
| Symbol: | Dennd6b |
| Synonyms: | 1700027J05Rik; AI414881; Fam116b |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence: >MG214375 representing NM_027081
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGCCGGTGGGTCCCGGGCCCGGCAAGCTGGCGGAGGACTAGGCGCGACAAGATCCTCGTCT
 CCGGCCGCGCGCCGCGGACCGCGGAGATGCCCTGGCGCGCTTCTCTGCCTGGCTGGAGTGTGTGTGCGT
 GGTCACCTTCGATCTGGAGCTGGGCCAGGCGCTAGAGCTAGTCTACCCAAGTGACTTCCGGCTCACAGAC
 AAGGAGAAAAGCAGCATCTGCTACCTGGCCTTCCAGACTCGCACTCAGGGTGCCTGGGAGACACTCAGT
 TCAGTTTCCGTATGCGTCAGTGTGGGGACAAAGGAGCCTCTGGCAGGTGGATGATCGGTGATATAACAA
 CAAGGCCCCCTTGGCATTGCAGAGGGAGCCAGCACACTATCTGGGCTATGTGTACTTTCAGACAGGTGAAG
 GACAGCTCTGTGAAGAGGGTTACTTCCAGAAGTCTTTAGTGTGGTGTCCCGCTGCCATTCTGTCGGGC
 TGTTTTAGTCACTCCTAAGCCTGATTGCCCTGAATACTTTGAGAAGTTGGCACCTGCCTGGAAGCAGT
 TTGTAATGAGATTGACCAATGGCCAGCCCGGTGCCTGGCAGACCCTGAACCTACCCATCATGGGAGTC
 GTCATTGAGTGCATCCCATCCAGGGTGGACAAGCTGGAATCCAGTCTCCAAAGCAGTGTGATCAAG
 AGAACCTGTGCCAGCTCCAGTTGTCTCACTAGTGTCCATGAACTGGATCTGTTTAGTGTCTCCGGCC
 AGTGCTCACCCACGTGCAGACCCTGTGGAACTCATGCTTCTTGGGAGCCCTCGTGGTGTGGCACCC
 TCACCCGACGTGTCTTCCAGACTGGTGTAGCCCTAACAGCTGCCTCCAGCCCTGAAGTTCTGCTGTG
 ACTTCCGCCCCCTACTTACCATTTCATGACAGTGAAGTTCAAGGAGCTTACAACCTCGAACCAGGCTCCACC
 AAACGTGGTCTGGGAGTCACAAACCTTTCTTTATCAAAACACTCCAGCACTGGCCTCATGCTCCTCCGA
 ATTTGGGAGCCCAAGATGTCAGGGGACCTTCCAAAGCAGGTCAAGCTTAAAAAACCTCACGGCTGAAGA
 CCCTTGACACCAAGCCAGGCTCTACACCTCTATACTGCCACCTCCACGGGACAAAGCCTGCTTAA
 ACGACTGCTCAAGGGCGTACAGAAGAAGCGGCCATGGGATGTGCAGAGTGCCCTGCTGAGGCGGCACCTT
 CTAGAGCTCACACAGAGTTTCATCATTCTCTGGAGCACTACATGGCCAGCCTCATGCCGCTACAGAAGA
 ACATCACACCCTGGAAGAGCCCCCGCAGATCTGCCCTTCCGCCAGGACGATTTCTGCGAAGCCTGGA
 GCATGCGGGACCCAGCTCACCTGCATCCTCAAGGGTGAAGTGGTGGCCTCTACAGGCGGTTTTTCAAG
 TCCCCCATTTTGTGGTGGTATCGGCAACGACACAAAGAGATGGCCCAAGAGCTGGAAGCTCTGCACC
 TGGAAGCTATTTGTGAGGCGAACATTGAGGCTTGGATGAAGGACAAGTCCGAGGTGGAAGTGGTGCACCT
 GGTCTGAAACTTCGGGAGAAGCTGGTACGGGCACAGGGCCACCAACTCCCCGTGAAGGAGGTGACACTG
 CAGCGGGCTCAGCTGTACATTGATACAGTATTGGCTCCCTCCCAAGGACCTGCAAGCAGTCTGTGCC
 CTCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214375 representing NM_027081
 Red=Cloning site Green=Tags(s)

MEVPVGPGRQAGGGLGATRSSSSGRAARTAEMPWARFSAWLECVVVFDFLELQALELVYPSDFRLTD
 KEKSSICYLAFPDSSHGCLGDTQFSFRMRQCGGQSLWQVDDRSYNNKAPLALQREPAHYLGYVYFRQVK
 DSSVKRGYFQKSLVLSRLPFVRLFQSLLSLIAPEYFEKLAPCLEAVCNEIDQWPAPVPGQTLNLPIMGV
 VIQVRIPSRVDKLESSPPKQCDQENLLPAPVVLTSVHELDFRCFRPVLTHVQTLWELMLLGEPLVVLAP
 SPDVSSSELVLALTSCLQPLKFCDFRPYFTIHDSEFKELTTRTQAPPNVVLGVTNPFKIKTLQHWPHVLR
 IGEPKMSGDLPKQVKKKPSRLKLTDPKGLYTSYTAHLHRDKALLKRLKGVQKKRPWDVQSALLRRHL
 LELTQSFIIIPLEHYMASLMPLQKNITPWKSPQICPFRQDDFLRSLEHAGPQLTCILKGDWLGLYRRFFK
 SPHFDGWYRQRHKEMAQKLEALHLEAICEANIEAWMKDKSEVEVDLVLKLREKLVRAQGHQLPVEKVTL
 QRAQLYIDTVIGSLPKDLQAVLCP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_027081

ORF Size: 1755 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).

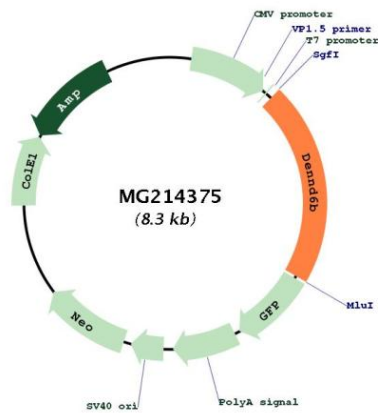
Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027081.3](#), [NP_081357.2](#)

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|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq Size: | 4716 bp |
| RefSeq ORF: | 1758 bp |
| Locus ID: | 69440 |
| UniProt ID: | Q9D9V7 |
| Cytogenetics: | 15 E3 |
| Gene Summary: | Guanine nucleotide exchange factor (GEF) for RAB14. Also has some, lesser GEF activity towards RAB35 (By similarity).[UniProtKB/Swiss-Prot Function] |

Product images:

Circular map for MG214375