

Product datasheet for **MG216772**

Dennd2d (NM_001093754) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dennd2d (NM_001093754) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dennd2d
Synonyms:	2010308M01Rik; AI451421
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG216772 representing NM_001093754
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGATGGGCTCGGCCGCCCTCCGAGCCAGCCTGAGACTGAAACGCGGCCAGCGGGACAATCCCAGA
 ACAATCCTGGGGAAGCTGTACAGAGCCAGAAAGGATCCAGGAGCATTCTCCATCTAGCTTTGCTGGAGG
 CCAGCACTTCTTTGAATACCTTCTTGTGTTTCTTTAAAGAAAAAGCGTTTAGGGGATGACTATGAGCCC
 ACGATCACTTACCAGTTTCCCAAGAGGGAGAACCTGCTCCGAGGTCAGCAGGAGGAGGAGGACCGGTTGC
 TCAGTGCCATCCCTTGTCTGCTTCCCTGATGGAAATGAGTGGGCACCACTCACAGAGTATCCCAGGGA
 GACCTTCTCATTGTCTGACCAATGTGGATGGGAGCAGGAAGATCGGATACTGCAGGCGCCTCTGCCT
 GCCGGTCTGGTCTCAACTTCCCAAAGTGTACTGCATCATCAGCTGCATCGGCTGCTTCGGCTTGTCT
 CCAAGATACTAGATGAAGTAGAGAAGAGGCATCAGATCTCCATGGCTGTCATCTACCCATTTCATGAAGG
 TCTCCGAGAGGCAGCCTTTCCTGCACCTGGAAAGACAGTCACCCTTAAGAGCTTCATTCTGACTCAGGC
 ACAGAGTTCATCTCACTGACACGGCCCTAGACTCCACCTTGAACACGTGGACTTCAGTGTCTGCTAC
 ACTGTCTCCATTTGGAGCAGATTATTCAGATCTTTCCTCTGCAGTGTGGAAAGAAAAATCATCTTTT
 GGCAGAGGGTCTCAGTACCCTGTCTCAGTGTATCCATGCTGCTGCAGCTCTGCTTACCCATTTAGTTGG
 GCACACACATACATCCCTGTGGTCCCTGAGAGCCTTCTGGCCACTGTCTGCTGCCCTACCCCTTCATGG
 TTGGGGTACAGATGCGCTTCTGAGGAGGTTATGGACAGTCCCATGGAAGAGGTCCTGTTAGTGAATCT
 TTGTGAAGGAACCTTCTTATTGTCGGTTGGTATGAGAAAGATATTCTACCACCAAACTTCAGGATGAC
 ATCTTGGACTCTCTTGGTCAAGGGATAAATGAGTTAAAGACTTCAGAACAATCAATGAGCATGTTTCAG
 GCCCTTTTGTACAGTTCTTGTCAAGACTGTGGCCACTATGCCTCTATATAAAACGGGAGGCCAGTGG
 ACAAGGTCATTTCCAAGAACGATCCTTCTGTAAAGGCTGTTACCTCCAAGACCAAGCGCCGATTTGTGAAG
 AAGTTTGTGAAGACAACTTTTCTCCCTATTCATCCAGGAAGCAGAGAAGAGCAGGAACCCTCCTGCAG
 GCTACTTCCAAAAGAAATACTTGAGTACGAGGAACAGAAAGAAACAGAAATCAAGAGAAAGACTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG216772 representing NM_001093754
 Red=Cloning site Green=Tags(s)

MDGLGRRLRASLRLKRGQRGQSQNNPGEAVTEPERIQEHSPSSFAGGQHFFEYLLVVSLKKKRLGDDYEP
 TITYQFPKRENLLRGQEEEDRLLSAIPLFCFPDGNWAPL TEYPRETF SFVL TNVDGSRKIGYCRLLP
 AGPGPQLPKVYCIISICIGFGLFSKILDEVEKRHQISMAYIYPFMQGLREAAFPAPGKTVTLKSFIPDSG
 TEFISLTRPLDSHLEHVDVSVLLHCLHLEQIIQIFASAVLERKIIFLAEGSTLSQCIHAAAALLYPFSW
 AHTYIPVPESLLATVCCPTPFMVGVQMRFLQEVMDSPMEVLLVNLCEGTFLLSVGDEKDILPPKLQDD
 ILDSLGGGINELKTSEQINEHVSFPFVQFFVKTVGHYASYIKREASGQGHFQERSFCKAVTSKTKRRFVK
 KFKVKTQLFSLFIQEAESRNPPAGYFQKKILEYEEQKKQKKSRL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001093754

ORF Size: 1398 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_001093754.2](#), [NP_001087223.1](#)

RefSeq Size: 4050 bp

RefSeq ORF: 1401 bp

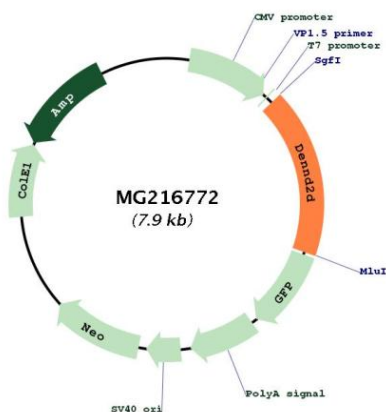
Locus ID: 72121

UniProt ID: [Q91VV4](#)

Cytogenetics: 3 F2.3

Gene Summary: 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]

Product images:



Circular map for MG216772