

Product datasheet for **MG214637**

Dennd6a (NM_001134465) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dennd6a (NM_001134465) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dennd6a
Synonyms:	Fam116a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG214637 representing NM_001134465
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTGCCGGGCCCGCGGTCTTTGGGCCCGTTCCCGCGGTCTGGACGAGCCGGGGCTGAGG
 GCGCGAGGCGGCGCCCTTGC GCGCGGGAGTCGCGCTGGAGGACGAGGAGGACGATGGCCGCCG
 GGGCTGCTGCGCTGGGACGGCTTCTCGCCTGGCTACACTGCGTGTGTGGTGGGCTTCGACCTGGAG
 CTGGGCCAGGCGGTGGAGGTGATATCCTCAGCATTCCAACTACTGATAAAGAAAAACCAATATTT
 GCTACTTGTCTTTCCAGACTCAAATCAGGTTGCTTGGAGATACCCAGTTTTGTTTTAGATTCCGACA
 GTCTTCTGGGAGAAGGTGCTACTACACTGTCTTCTGATGAATTTGACAAAGATTTACCAGTTACTTA
 AAGAAAGATCCTGCATATTTTTATGGATATGTGATTTTCGACAAGTTCGAGATAAACTCTAAAAGAG
 GCTACTTTCAAAGTCATTGGTTTTGATCAGCAAACCTTATATTCATTTTTTACACCGTACTCAA
 ACAGATAGCACCAGAGTATTTTAAAAAATGAACCTTACTTGGAAAGCAGCTTGAATGATGTTGACCGA
 TGGCCTGCCCCAGTGCCAGGGAAAAACGCTGCACCTGCCTATCATGGGACTAGTAATGAAGTTCCGATTC
 CCACGTGTCATGACAAGCCTGGGACCACGAGATGGTGCAGTTAACTCAGCAGGCAGATACACACATC
 TATTATTTGCTACTGTTACAGAGGTGGATCTTTTACAGGTGTTTCTGCCAGTTTTTCTCACAGTCAG
 ATGCTCTGGGAGTTGGTGTCTTGGGAGAGCCCTGGTGGTCAATGGCGCCATCGCCGTCAGAATCTTCAG
 AAAGTGTACTGGCTCTTGTAACTGTATCTCTCCATTAAGTACTTTAGTGATTTTGGCCCTTACTTCA
 GATTATGATAGTGAATCAAAGAATACTACCCGACTCAAGCTCCGCCCTCAGTCATCTTAGGAGTA
 ACCAACCCCTTTTTGCTAAAACACTACAGCACTGGCCACACATTATTCGAATAGGAGATCTAAACCTG
 CAGGTGAAATCCTAAGCAAGTTAAAGTAAAAAGCTGAAGAACCTAAAACTCTGGATTCTAAACCTGG
 AGTTTATACTTCTACAAGCCATATCTAAACAGAGATGAGGAGATCATAAAACAACCTCAGAAGGTATA
 CAGCAGAAGCGTCTTCTGAGGCCAAAGTGTATTCTCCGCGCTATTTTTGGAATAACACAAAGTT
 TCATCATTCCATTAGAAAGATATGTGGCAAGCTTATGATGCTTTGCAGAAAAGTATTTCTCCTTGAAGAG
 TCCACCCAGTTACGGCAGTTCCTTCCAGAAGATTTATGAAAACACTTAAAAAACAGGCGCTCAGCTC
 ACCTCTGGAATAAAGGGCGACTGGATTGGACTTTACCGCAGTTTCTAAAGTCTCCAAATTTTGTGGCT
 GGTTCAGACCCGCGGAAAGAAATGACTCAAAAATTGGAGGCACCTTCTCTAGAAGCTCTTTGTGAAGA
 GGACCTCTTCTCTGGATCCAGAAACACACAGAAGTAGAAACAGTGGACCTTGTGTTGAAGCTGAAAAAT
 AAGTTGTTGACAGCTGGCCGAGAGAGCTTACCTGTGAAGCCTGACACTGTGGAGAAGTTACGGACACATA
 TAGATGCAATTATCCTGGCCTTACCAGACGACCTGCAAGGCATCTGCTCAAGACCGGCATGACA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG214637 representing NM_001134465
 Red=Cloning site Green=Tags(s)

MALPGPAVFGPGSRGSLDEAGAEGREAAALAAAGVALEDEEEDDGRRLLRWDGFSAWLHVCVVFDFLE
 LGQAVEVIYPQHSKLTDKKTNICYLSFPDSNSGCLGDTQFCFRFRQSSGRRVSLHCLLDEFDKDLPVYL
 KKDPAYFYGYVYFRQVRDKTLKRGYFQKSLVLSKLPYIHFHTVLKQIAPEYFEKNEPYLEAACNDVDR
 WPAPVPGKTLHLPIMGLVMKVRIPCHDKPGTTQMVQLTQQADHTSIIILPTVHEVDLFRFCFPVFLHSQ
 MLWELVLLGEPLVVMAPSPSESETVLALVNCISPLKYFSDFRPYFTIHDSEFKEYTTRTQAPPSVILGV
 TNPFFAKTLQHWPHIIRIGDLKPAGEIPKQVKVKKLKNLKTLDSPGVYTSYKPYLNRDEEIIKQLQKGI
 QQKRPSEAQSVILRRYFLELTQSFIIPLERYVASLMPLQKISIPWKSPQLRQFLPEEFMKTLEKTPQL
 TSGIKGDWIGLYRQFLKSPNFDGWFKTRRKEMTKLEALHLEALCEEDLLLWIQKHTEVETVDLVLKLKN
 KLLQAGRESLPVKPDTVEKLRTHIDAILALPDDLQGIILLKGTMT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001134465

ORF Size: 1815 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.

RefSeq: [NM_001134465.2](#), [NP_001127937.1](#)

RefSeq Size: 4444 bp

RefSeq ORF: 1818 bp

Locus ID: 211922

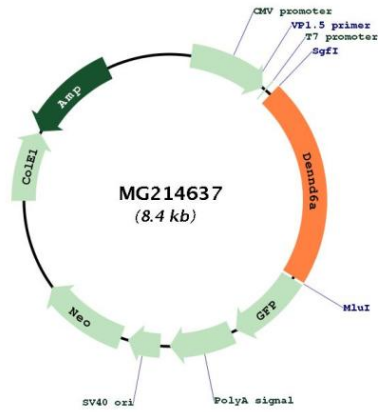
UniProt ID: [Q8BH65](#)

Cytogenetics: 14 A3

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]

Product images:



Circular map for MG214637