

Product datasheet for **MR214637**

Dennd6a (NM_001134465) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dennd6a (NM_001134465) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dennd6a
Synonyms:	Fam116a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR214637 representing NM_001134465
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCTGCCGGGCCCGCGGTCTTTGGGCCCGTTCCCGCGGTCTGGACGAGCCGGGGCTGAGG
 GCGCGAGGGCGGCCCTTGCAGCGCGGGAGTCGCGCTGGAGGACGAGGAGGAGACGATGGCCGCCG
 GGGCTGCTGCGCTGGGACGGCTTCTCGCCTGGCTACACTGCGTGTGTGGTGGGCTTCGACCTGGAG
 CTGGGCCAGGCGGTGGAGGTGATATCCTCAGCATTCCAACTACTGATAAAGAAAAACCAATATTT
 GCTACTTGTCTTTCCAGACTCAAATCAGGTTGCTTGGAGATACCCAGTTTTGTTTTAGATTCCGACA
 GTCTTCTGGGAGAAGGGTGTCACTACACTGTCTTCTGATGAATTTGACAAAGATTTACCAGTTACTTA
 AAGAAAGATCCTGCATATTTTTATGGATATGTGATTTTCGACAAGTTCGAGATAAACTCTTAAAAGAG
 GCTACTTTCAAAGTCATTGGTTTTGATCAGCAAACCTTATATTCATTTTTTACACCGTACTCAA
 ACAGATAGCACCAGAGTATTTTAAAAAATGAACCTTACTTGGAAAGCAGCTTGAATGATGTTGACCGA
 TGGCCTGCCCCAGTGCCAGGGAAAAACGCTGCACCTGCCTATCATGGGACTAGTAATGAAGTTCCGATTC
 CCACGTGTCATGACAAGCCTGGGACCACGAGATGGTGCAGTTAACTCAGCAGGCAGATACACACATC
 TATTATTTGCTACTGTTACAGAGGTGGATCTTTTCCAGGTGTTTCTGCCAGTTTTTCTCACAGTCAG
 ATGCTCTGGGAGTTGGTGTCTTGGGAGAGCCCTGGTGGTCAATGGCGCCATCGCCGTCAGAATCTTCAG
 AAAGTGTACTGGCTCTTGTAACTGTATCTCTCCATTAAGTACTTTAGTGATTTTGGCCCTTACTTAC
 GATTCATGATAGTGAATCAAAGAATACTACCCGACTCAAGCTCCGCCCTCAGTCATCTTAGGAGTA
 ACCAACCCCTTTTTGCTAAAACACTACAGCACTGGCCACACATTATTCGAATAGGAGATCTTAAACCTG
 CAGGTGAAATTCCTAAGCAAGTTAAAGTAAAAAGCTGAAGAACCTAAAACTCTGGATTCTAAACCTGG
 AGTTTATACTTCTTACAAGCCATATCTAAACAGAGATGAGGAGATCATAAAACAACCTCAGAAGGTATA
 CAGCAGAAGCGTCTTCTGAGGCCAAAGTGTATTCTCCGCGCTATTTTTGGAATAACACAAAGTT
 TCATCATTCCATTAGAAAGATATGTGGCAAGCTTATGCTTTGCAGAAAAGTATTTCTCCTTGGAAAG
 TCCACCCAGTTACGGCAGTTCTTCCAGAAGATTTATGAAAACACTTAAAAAACAGGCGCTCAGCTC
 ACCTCTGGAATAAAGGGCGACTGGATTGGACTTTACCGCAGTTTCTAAAGTCTCCAAATTTGATGGCT
 GGTTCAGACCCGGCGGAAAGAAATGACTCAAAAATTGGAGGCACCTCATCTAGAAGCTCTTTGTGAAGA
 GGACCTCTTCTCTGGATCCAGAAACACACAGAAGTAGAAACAGTGGACCTTGTGTTGAAGCTGAAAAAT
 AAGTTGTTGCAGGCTGGCCGAGAGACTTACCTGTGAAGCCTGACTGTGGAGAAGTTACGGACACATA
 TAGATGCAATTATCCTGGCCTTACCAGACGACCTGCAAGGCATACTGCTCAAGACCGGCATGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214637 representing NM_001134465
 Red=Cloning site Green=Tags(s)

MALPGPAVFGPGSRGSLDEAGAEGREAAALAAAGVALEDEEEDDGRRLLRWDGFSAWLHVCVVFDFLE
 LGQAVEVIYPQHSKLTDEKTNICYLSFPDSNSGCLGDTQFCFRFRQSSGRRVSLHCLLDEFDKDLPVYL
 KKDPAYFYGYVYFRQVRDKTLKRGYFQKSLVLSKLPYIHFHTVLKQIAPEYFEKNEPYLEAACNDVDR
 WPAPVPGKTLHLPIMGLVMKVRIPCHDKPGTTQMVQLTQQADHTSIIILPTVHEVDLFRFCFVFLHSQ
 MLWELVLLGEPLVVMAPSPSESSETVLALVNCISPLKYFSDFRPYFTIHDSEFKEYTTRTQAPPSVILGV
 TNPFPAKTLQHPHIIRIGDLKPAGEIPKQVVKKLNKLTLDSPGVYTSYKPYLNRDEEIIKQLQKGI
 QQKRPSEAQSVILRRYFLELTQSFIIPLERYVASLMPLQKSI SPWKSPQLRQFLPEEFMKTLEKTPQL
 TSGIKGDWIGLYRQFLKSPNFDGWFKTRRKEMTKLEALHLEALCEEDLLWIQKHTEVETVDLVLKLKN
 KLLQAGRESLPVKPDTVEKLRTHIDAIILALPDDLQGIILLKGMT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9091_h04.zip

Restriction Sites: SgfI-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: 6666 bp

RefSeq ORF: 1818 bp

Locus ID: 211922

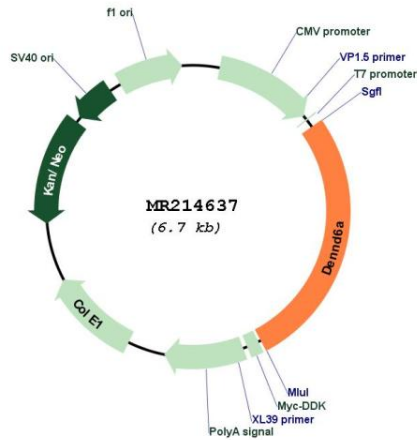
UniProt ID: [Q8BH65](#)

Cytogenetics: 14 A3

MW: 69 kDa

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 MR214637