

Product datasheet for **MR208861**

Dennd6a (NM_145969) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dennd6a (NM_145969) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dennd6a
Synonyms:	Fam116a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR208861 representing NM_145969
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCTGCCGGGCCCGCGGTCTTTGGGCCCGTCCCGGGTCTGGACGAGCCGGGGCTGAGG
 GCGCGAGGCGGGCCCTTGCAGCGGGAGTCCGCTGGAGGACGAGGAGGACGATGGCCGCCG
 GGGCTGCTGCGCTGGGACGGCTTCTCGCCTGGCTACACTGCGTGTGTGGTGGGCTTCGACCTGGAG
 CTGGGCCAGGCGGTGGAGGTGATATCCTCAGCATTCCAACTACTGATAAAGAAAAACCAATATTT
 GCTACTTGTCTTTCCAGACTCAAATCAGGTTGCTTGGAGATACCCAGTTTTGTTTTAGATTCCGACA
 GTCTTCTGGGAGAAGGGTGTCACTACACTGTCTTCTGATGAATTTGACAAAGATTTACCAGTTACTTA
 AAGAAAGATCCTGCATATTTTTATGGATATGTATTTTCGACAAGTTCGAGATAAACTCTAAAAGAG
 GCTACTTTCAAAGTCATTGGTTTTGATCAGCAAACCTTATATTCATTTTTTACACCGTACTCAA
 ACAGATAGCACCAGAGTATTTGAAAAAATGAACCTTACTTGGAAAGCAGCTTGAATGATGTTGACCGA
 TGGCCTGCCCCAGTGCCAGGGAAAACGCTGCACCTGCCTATCATGGGACTAGTAATGAAGTTCCGATTC
 CCACGTGTCATGACAAGCCTGGGACCACGAGATGGTGCAGTTAACTCAGCAGGCAGATACACACATC
 TATTATTTGCTACTGTTACAGAGGTGGATCTTTTCCAGTGTCTTCTGCCAGTTTTTCTCACAGTCAG
 ATGCTCTGGGAGTTGGTGTCTTGGGAGAGCCCTGGTGGTCAATGGCGCCATCGCCGTCAGAATCTTCAG
 AAAGTGTACTGGCTCTTGTAACTGTATCTCCATTAAGTACTTTAGTGATTTTGGCCCTTACTTCA
 GATTATGATAGTGAATCAAAGAATACTACCCGACTCAAGCTCCGCCCTCAGTCATCTTAGGAGTA
 ACCAACCCCTTTTTGCTAAAACACTACAGCACTGGCCACACATTATTCGAATAGGAGATCTAAACCTG
 CAGTGAAATCCTAAGCAAGTTAAAGTAAAAAGCTGAAGAACCTAAAACTCTGGATTCTGAACTGG
 AGTTTATACTTACAAGCCATATCTAAACAGAGATGAGGAGATCATAAAACAACCTCAGAAGGTATA
 CAGCAGAAGCGTCTTCTGAGGCCAAAGTGTATTCTCCGCGCTATTTTTGGAATAACACAAAGTT
 TCATCATTCCATTAGAAAGATATGTGGCAAGCTTATGCTTTGCAGAAAAGTATTTCTCTTGGAAAG
 TCCACCCAGTTACGGCAGTTCTTCCAGAAGATTTATGAAAACACTTAAAAACAGGGCCTCAGCTC
 ACCTCTGGAATAAAGGGCGACTGGATTGGACTTTACCGCAGTTTCTAAAGTCTCCAAATTTGATGGCT
 GGTTCAGACCCGGCGAAAGAAATGACTCAAAAATGGAGGCACCTCATCTAGAAGCTCTTTGTGAAGA
 GGTGAGAAAAAGTATTAGTACATGCAAGTGTTCAGAGTACAAAAGTATTCTTAGAGGCTTAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208861 representing NM_145969
 Red=Cloning site Green=Tags(s)

MALPGPAVFGPGSRGSLDEAGAEGREAAALAAAGVALEDEEEDDGRRLLRWDGFSAWLHCVVVGFDLE
 LGQAVEVIYPQHSKLTDKKTNICYLSFPDSNSGCLGDTQFCFRFRQSSGRRVSLHCLLDEFDKDLPVYL
 KKDPAFYGYVYFRQVRDKTLKRGYFQKSLVLSKLPYIHFHTVLKQIAPEYFEKNEPYLEAACNDVDR
 WPAPVPGKTLHLPIMGLVMKVRIPCHDKPGTTQMVQLTQQADHTSIIILPTVHEVDLFRFCPVFLHSQ
 MLWELVLLGEPVVMAPSPSESETVLALVNCSPLKYFSDFRPYFTIHDSEFKEYTTRTQAPPSVILGV
 TNPFFAKTLQHWPHIIRIGDLKPAGEIPKQVKVKKLKNLKTLDSPGVYTSYKPYLNRDEEIIKQLQKGI
 QQKRPSEASVILRRYFLELTQSFIIPLERYVASLMPLQKISPWKSPQLRQFLPEEFMKTLEKTGPQL
 TSGIKGDWIGLYRQFLKSPNFDGWFKTRRKEMTQKLEALHLEALCEEVRKKCISTCKCSEYKSILRGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

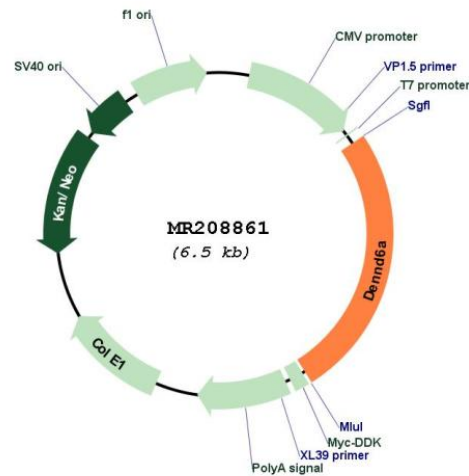
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_145969
ORF Size:	1677 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:	<ol style="list-style-type: none">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_145969.4 , NP_666081.1
RefSeq Size:	2684 bp
RefSeq ORF:	1680 bp
Locus ID:	211922
UniProt ID:	Q8BH65
Cytogenetics:	14 A3
MW:	64.3 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]