

Product datasheet for **MR229616**

Dennd6a (NM_001285466) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dennd6a (NM_001285466) 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
ORF Nucleotide Sequence: >MR229616 representing NM_001285466
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGACTAGTAATGAAGTTCCGATTCCCACGTGTCATGACAAGCCTGGGACCACGCAGATGGTGCAGT
TAACTCAGCAGGCAGATACACACATCTATTATTTGCCTACTGTTACAGAGTGGATCTTTTCAGGTG
TTTCTGCCAGTTTTTCTCACAGTCAGATGCTCTGGGAGTTGGTCTCTTGGGAGACCCCTGGTGGTC
ATGGCGCCATCGCCGTCAGAATCTCAGAACTGTACTGGCTCTTGTTAACTGTATCTCTCCATTAAGT
ACTTTAGTGATTTTCGGCCTTACTTCACGATTCATGATAGTGAATTCAAAGAATACTACCCGACTCA
AGCTCCGCCCTCAGTCATCTTAGGAGTAACCAACCCCTTTTTTGCTAAAACACTACAGCACTGGCCACAC
ATTATTCGAATAGGAGATCTTAAACCTGCAGGTGAAATTCCTAAGCAAGTTAAAGTGAAAAAGCTGAAGA
ACCTAAAACCTCTGGATTCTAAACCTGGAGTTTACTTCTTACAAGCCATATCTAAACAGAGATGAGGA
GATCATAAAACAACCTCAGAAGGGTATACAGCAGAAGCGTCTTCTGAGGCCAAAGTGTTATTTCCGG
CGCTATTTTTTGGAACTAACACAAAGTTTCATCATTCCATTAGAAAGATATGTGGCAAGCTTGATGCCTT
TGCAGAAAAGTATTTCTCCTTGGAAAGAGTCCACCCAGTTACGGCAGTTCTTCCAGAAGAATTTATGAA
AACACTTGAAAAACAGGGCCTCAGCTCACCTCTGGAATAAAGGGCGACTGGATTGGACTTTACCGGCAG
TTTCTAAAGTCTCCAAATTTGTAGGCTGGTTCAAGACCCGCGGAAAAGAAATGACTCAAAAATTGGAGG
CACTTCATCTAGAAGCTCTTTGTGAAGAGGACCTCCTTCTCTGGATCCAGAAAACACAGAGTAGAAAAC
AGTGGACCTTGTGTTGAAGCTGAAAAATAAGTTGTTGCAGGCTGGCCGAGAGAGCTTACCTGTGAAGCCT
GACTGTGGAGAAGTTACGGACACATATAGATGCAATTATCCTGGCCTTACCAGACGACCTGCAAGGCA
TACTGCTCAAGACCGGCATGACA

ACGCGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229616 representing NM_001285466
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MGLVMKVRIP TCHDKPGTTQMVQLTQQADTHTSII LPTVHEVDLFRFCFVFLHSQMLWELVLLGEPLVV
 MAPSPSESETVLALVNCISPLKYFSDFRPYFTIHDSEFKEYTTRTQAPPSVILGVTNPF FAKTLQHWPH
 IIRIGDLKPAGEIPKQVKVKKLKNLKTLDSPKGVYTSYKPYLNRDEEIIKQLQKGIQQKRPSEAQSVILR
 RYFLELTQSFIIPLERYVASLMPLQKSI SPWKSPPLRQFLPEEFMKTLEKTGPQLTSGIKGDWIGLYRQ
 FLKSPNFDGWFKTRRKEMTQKLEALHLEALCEEDLLLWIQKHTEVETVDLV LKLNKLLQAGRESLPVKP
 DTVEKLRTHIDAIILALPDDLQGI LLKTGMT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

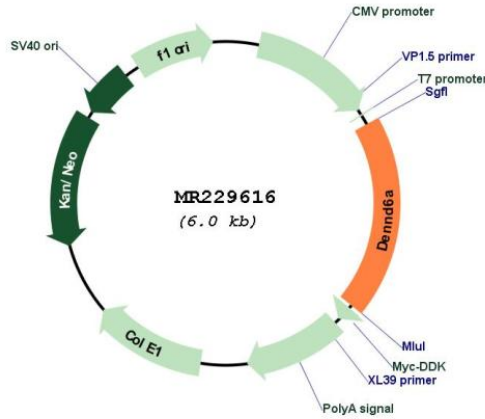
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285466

ORF Size:	1143 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_001285466.1 , NP_001272395.1
RefSeq Size:	6512 bp
RefSeq ORF:	1146 bp
Locus ID:	211922
UniProt ID:	Q8BH65
Cytogenetics:	14 A3
MW:	44.2 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]