

Product datasheet for **RR215107**

Dennd6a (NM_001134467) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dennd6a (NM_001134467) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dennd6a
Synonyms:	Fam116a; RGD1306064
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215107 representing NM_001134467
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTCTGCGGGACCAGGCGGTCTTCGACCCGGTTCGCCGGGTCTGGACGAGGCTGGGGCCGAGG
 GGCAGGAGGCGGCCCTTGCAGCGGGAGTCCGCTGGAGGACGATGAGGAGGACGATGGCCGCCG
 GGGCTGCTGCGCTGGGACGGCTTCTCAGCCTGGCTACACTGCGTGTGTGGTGGGCTTCGACCTGGAG
 CTGGGCCAGGCGGTGGAGTAATTTATCCTCAGCATTGCAAACACTGATAAAGAAAAACGAACATTT
 GCTATTTGCTTTCCAGACTCAAATTCAGGTTGTCTAGGAGACACCCAGTTTTGTTTTAGATTCGCCA
 ATCTTCTGGGAGGAGGCTCACTGCACGTCTTCTGATGAATTTGACAAAGATTTACCAGTTACTTA
 AAGAAAGATCCTGCATACTTTTATGGATATGTGATTTTCGACAAGTTCGAGATAAACTCTTAAAAGAG
 GCTACTCCAGAAGTCATTGGTTTTGATCAGCAAACCTTATATTCATTTTTTACACCGTACTCAA
 ACAGATAGCACCAGAGTATTTGAAAAAATGAACCTTATTTGGAAGCAGCCTGCAATGACGTTGACCGA
 TGGCCGGCCAGTGCCAGGGAAAAACATTCATCTGCCTATCATGGGACTAGTAATGAAGGTGAGGATTC
 CCACGTGTCATGACAAGCCTGGGACTACGAGTAACTCAGCAGGAGATACACACACATCTATTATTTT
 GCCTACTGTTTCATGAGGTGGATCTTTTCAGGTGTTTTGCCCAGTTTTTCTTACAGCCAGATGCTTTGG
 GAGTTGGTGCTATTGGGAGAGCCCTTGTGGTCATGGCACCGTCGCCGTCAGAGTCTTACAGAACTGTAC
 TGGCCCTCGTTAACTGTATTTCTCCATTAAGTACTTTAGTGATTTTCGACCTTACTTACAAATTCATGA
 TAGTGAATTCAGAATATACTACCCGACTCAAGCTCCGCCCTCAGTCATCTTAGGAGTAACCAACCCC
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 GCTAAGGCAGTTCCTTCCAGAAGATTTATGAAAACGCTTGAAGAAACGGGGCTCAGCTCACGTCTGGA
 AATAAGGGCGATTGGATCGGGCTTACCAGCAGTTTCTAAAGTCTCCAAATTTGATGGCTGTTCAAGA
 CCCGGAGAAAAGAAATGACCCACAAATGGAGGCCCTTCTAGAAAGCTTTTGTGAAGAGGACCTCT
 TCTCTGGATCCAGAAACACAGAAGTAGAAACAGTGGACCTGTATTGAAGCTGAAAAAAGCTGTTG
 CAGGCTGACCGAGAGAATTTACCTGTGAAACCTGACACTGTGGAGAAGTACGGACACATATAGATGCGA
 TTATCCTCGCATTACCGAGGATCTGCAAGGCATCTGCTCAAGACTGGCATGACA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215107 representing NM_001134467
 Red=Cloning site Green=Tags(s)

MALRDQAVFGPGSRGSLDEAGAEGREAAALAAAGVALEDDDEDDGRRGLLRWDGFSAWLHCVVGVDFLE
 LGQAVEVIYPQHCKLTDKEKTNICYLSFPDSNSGCLGDTQFCFRFRQSSGRRVSLHCLLDEFKDLPVYL
 KKDPAYFYGYVYFRQVRDKTLKRGYFQKSLVLIKLPYIHFHTVLKQIAPEYFEKNEPYLEAACNDVDR
 WPAPVPGKTLHLPIMGLVMKVRIPCHDKPGTTQLTQQADTHTSIIILPTVHEVDLFRFCFVFLHSQMLW
 ELVLLGEPLVVMAPSPSESSETVLALVNCISPLKYFSDFRPYFTIHDSEFKEYTTRTQAPPSVILGVTNP
 FFAKTLQHWPPIIRIGDLKPAGEIPKQVKVKKLKNLKTLDSPKGVYTSYKPYLNRDEEIIKQLQKGVQQK
 RPSEAQSVILRRYFLELQSFIIPLERYVASLMLPLQKSI SPWKSPPQLRQFLPEEFMKTLEKTPQLTSG
 IKGDWIGLYRQFLKSPNFDGWFKTRRKEMTHKLEALHLEALCEEDLLWIKHTEVETVDLVLLKLNKLL
 QADRENLPVKPDTVEKLRTHIDAIILALPEDLQGILLKGMT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

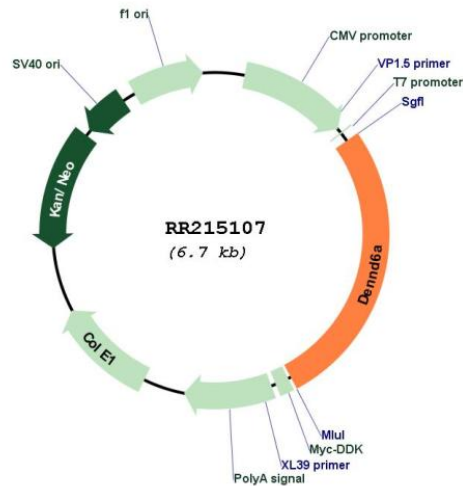
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134467

ORF Size: 1806 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_001134467.1 , NP_001127939.1
RefSeq Size:	3895 bp
RefSeq ORF:	1809 bp
Locus ID:	306229
Cytogenetics:	16p16
MW:	68.9 kDa