

Product datasheet for RC219346

DENN (MADD) (NM_130476) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DENN (MADD) (NM_130476) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MADD
Synonyms: DEEAH; DENN; IG20; NEDDISH; RAB3GEP; RabGEF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC219346 representing NM_130476
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGTGCAAAAGAAGAAGTTCTGTCCTCGTTACTTGACTATCTAGTGATCGTAGGGCCAGGCACCCGA
GCAGTGATAGCGTGGCCAGACTCCTGAATTGCTACGGCGATACCCCTTGGAGGATCACACTGAGTTTCC
CCTGCCCCAGATGTAGTGTTCTTCTGCCAGCCGAGGGCTGCCTGAGCGTGCGGCAGCGCGCATGAGC
CTTCGGGATGATACCTCTTTGTCTTCCACCTCACTGACAAGGACTGGAGTACGCGATATGGCATCT
GTGTTAACTTCTACCGCTCCTTCCAAAAGCGAATCTCTAAGGAGAAGGGGAAGGTGGGGCAGGGTCCCG
TGGGAAGGAAGGAACCCATGCCACCTGTGCCTCAGAAGAGGGTGGCACTGAGAGCTCAGAGAGTGGCTCA
TCCCTGCAGCCTCTCAGTGCTGACTCTACCCCTGATGTGAACCACTCCTCGGGGCAAACGCCGGGCCA
AGGCGGGGAGCCGCTCCCGCAACAGTACTCTCACGTCCCTGTGCGTGCTCAGCCACTACCTTTCTTCTC
CACCTCCGAGAGTGTGTTGTA TACTCTCAAGCGCTGGTGGACTGCTGTAGTGAGCGCCTTCTGGCAAG
AACTGGGCATCCCTCGAGGCGTACAAAGGGACACCATGTGGCGGATCTTACTGGATCGCTGCTGGTAG
AGGAGAAGTCAAGTGCCCTTCTGCATGACCTTCGAGAGATTGAGGCCTGGATCTATCGATTGCTCGCCTC
CCCAGTACCCGCTCTGCGGAGAAAGCGAGTAGACATCGAGGTCCCTACCCCAAGAGCTCCAGCCAGCTCTG
ACCTTTGCTCTTCCAGACCCATCTCGATTACCCCTAGTGGATTTCCCACTGCACCTTCCCTTGGAACTTC
TAGGTGTGGACGCTGTCTCCAGGTGCTAACCTGCATTCTGTTAGAGCACAAGGTGGTGTACAGTCCC
AGACTACAATGCACTCTCCATGTCTGTGATGGCATTCTGGCAATGATCTACCCACTGGAGTATATGTTT
CCTGTCATCCCCTGCTACCCACCTGCATGGCATCAGCAGAGCAGCTGCTGTTGGCTCCAACCCCGTACA
TCATTGGGGTTCTGCCAGCTTCTTCTCTACAACTGGACTTCAAAATGCTGATGATGATGCTAGT
GGATCTGGACAGCAATAGGGTATTGCCCCACCAATGCAGAAGTGTGCCTATCCTGCCAGAACCAGAA
TCACTAGAGCTGAAAAGCATTTAAAGCAGGCCTTGGCCAGCATGAGTCTCAACACCCAGCCCATCTCA
ATCTGGAGAAATTCATGAGGGCCAGGAGATCCCCCTTCTTGGGAAGGCCTTCTAATGACCTGCAGTC
CACACCGTCCACTGAATTC AACCCACTCATCTATGGCAATGATGTGGATTCTGTGGATGTTGCAACCAGG
GTTGCCATGGTACGGTCTTCAATTCCGCCAACGTGCTGCAGGGATTTAGATGCACACGCGTACCCCTGC



[View online »](#)

GCCTCTTTCCTCGGCCTGTGGTAGCTTTTCAAGCTGGCTCCTTCTAGCCTCACGTCCCCGGCAGACTCC
TTTTGCCGAGAAATTGGCCAGGACTCAGGCTGTGGAGTACTTTGGGGAATGGATCCTTAACCCCAAC
TATGCCTTTCAGCGAATTCACAACAATATGTTTGATCCAGCCCTGATTGGTGACAAGCCAAAGTGGTATG
CTCATCAGCTGCAGCCTATCCACTATCGCGTCTATGACAGCAATCCCAGCTGGCTGAGGCCCTGAGTGT
ACCACCAGAGCGGGACTCTGACTCCGAACCTACTGATGATAGTGGCAGTGATAGTATGGATTATGACGAT
TCAAGCTCTTCTTACTCCTCCCTTGGTGACTTTGTGAGTAAATGATGAAATGTGACATTAATGGTGATA
CTCCCAATGTGGACCCTCTGACACATGCAGCACTGGGGGATGCCAGCAGGTGGAGATTACGAGCTGCA
GAATCAGAAGGAAGCAGAAGAGCCTGGCCAGACAGTGAGAAGTCTCAGGAAAACCCCACTGCGCTCC
AGCTCTAGCACCCAGCCAGCAGCAGCCCCAGCACTGTATCCACGGAGCCAACCTCTGAACCTGTGACT
CTACGGAGATGGATGATAAGGCAGCAGTAGGCGTCTCCAAGCCCTCCCTTCCGTGCCTCCCAGCATTGG
CAAATCGAACGTGGACAGACGTGAGGCAGAAATGGAGAGGGTCAAGTGCAGCGGCAATCTATGACAA
CCATACTTCGAGCCCAATATGGCTTTCCCTGAGGAAGATGAGGATGAGCAGGGGAAAGTTACTC
CCCGATTACGCCAACATGTCAGTGGCAATCGGGCTCAAAGCTGCTGCGGCCAACAGCTTGAGACTGGC
AAGTGACTCAGATGCAGAGTCAACTCTCGGGCAAGCTCTCCAACCTCCACCGTCTCAAACACCAGCACC
GAGGGCTTCGGGGGCATCATGTCTTTTCCAGCAGCCTCTATCGGAACCACAGTACCAGCTTCAGTCTTT
CAAACCTCACACTGCCCAACAAAGGTGCCGAGAGAAGGCCACGCCCTTCCCAGTCTGAAAGGAAACAG
GAGGGCGTTAGTGGATCAGAAGTCATCTGTCATTAACACAGCCCAACAGTGAAGGAGAACCTCCATCA
CCCCAGGGTCGATCCAGCAATCTAGTGAGAACCAGCAGTTTCTGAAGGAGGTGGTGACAGCGTGTGG
ACGGCCAGGGAGTTGGCTGGCTCAACATGAAAAAGGTGCGCCGGCTGCTGGAGAGCGAGCAGTGCAGT
CTTTGTCTGAGCAAGCTGAACCGCATGGTGCAGTCAAGGACGATGCCCGCAGGACATCATCCCGGAT
GTGGAGATCAGTCGGAAGGTGTACAAGGAATGTTAGACCTCCTCAAGTGTACAGTCTCAGCTTGAGC
AGTCTATGCCACGCGGGTCTGGTGGCATGGCCAGCATCTTTGGCTTTTGGAGATTGCCAGACCCA
CTACTATAGTAAAGAACCAGACAAGCGGAAGAGAAGTCCAACAGAAAGTGAATAACCCAGTTGGCAAG
GATCCTGGCCTAGCTGGCGGGGGACCCAAAGCTATGGCACAACTGAGAGTTCCACAACCTGGGACCTC
GGGCACCAAGTGCCACAGGAAAGGTCCTAAGGAACTGGACACCAGAAGTTTAAAGGAAGAAAATTTTAT
AGCATCTATTGGGCTGAAGTAATCAAACCTGTCTTTGACCTTGGTGAGACAGAGGAGAAAAAGTCCAG
ATCAGCGCAGACAGTGGTGTGAGCCTGACGTCTAGTCCAGAGGACTGATCAAGACTCTGTATCGGCG
TGAGTCCAGCTGTTATGATCCGAGCTCAAGTCAAGTCTGAAGTTAGCACCGTGAGTAAATAGCTGTG
AGAGACCCTTGGAGCTGACAGTACTTGGCAGCAATGCAGGTGATGGACCAGGTGGCGAGGGCAGTGT
CACCTGGCAAGCTCTCGGGCACTTTGTCTGATAGTAAATTGAGACCAACTCTGCCACAAGCACCATCT
TTGGTAAAGCCACAGCTTGAAGCCAAGCATAAAGGAGAAGTGGCAGGACGCCCACTTCTGACTTCTGA
AGATGTGAGCCAGCGAGTCTATCTATGAGGGACTCCTAGGCAAGAGCGTTCTACTTTATGGGACCAA
ATGCAATTCTGGGAAGATGCCTTCTTAGATGCTGTGATGTTGGAGAGAGAAGGGATGGGTATGGACCAGG
GTCCCCAGGAAATGATCGACAGGTACCTGTCCCTTGGAGAACATGACCGGAAGCGCTGGAAAGTATGA
AGATCGCTTGTGGCCCACTTCTGCACAACCTCATCTCCTACATGCTGCTGATGAAGGTAATAAGAA
GACATCCGCAAGAAGGTGAGGCGCTAATGGGAAAGTCGCACATTGGGCTTGTGTACAGCCAGCAATCA
ATGAGGTGCTTATGATCAGCTGGCAACCTGAATGGACCGCATCTCTATCTGGTCCAGTGGCAGCCGGCA
CATGAAGAAGCAGACATTTGTGGTACATGCAGGGACAGATACAAACGGAGATATCTTTTTCATGGAGGTG
TGCGATGACTGTGTGGTGTTCGTAGTAACATCGGAACAGTGTATGAGCGCTGGTGGTACGAGAAGCTCA
TCAACATGACCTACTGTCCCAAGACGAAGGTGTTGTGCTTGTGGCGTAGAAATGGCTCTGAGACCCAGCT
CAACAAGTTCTATACTAAAAAGTGTGCGGAGCTGTACTACTGTGTGAAGGACAGCATGGAGCGCGTGC
GCCCGACAGCAAAGCATCAAACCCGACCTGAATTGGGTGGCAGTTCCTGTGCAGGACCTGAAGACTG
GTGAGGGTGGCTGCTGCAGGTGACCCTGGAAGGGATCAACCTCAAATTCATGCACAATCAGTTTTTCAT
AGAGCTGAATCACATTAATAAGTGAATACAGTTCGAGGGCTTTTGTCTGGAGGAATTTGTTCTGAA
ATTAAGAAGTGGTGAAGCACAAGTACAAGACCAATGGCCACGAAATCTGCTACTCCGATTATGTC
TCTTCTGACGTGGCTGCAGTTCATAGCAGTGAAGATCTCAGAACCCCGCCCGGCTGTCTCTAG
C

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC219346 representing NM_130476
 Red=Cloning site Green=Tags(s)

MVQKKKFCPRLLDYLVIIGARHPSSDSVAQTPELLRRYPLEDHTEFPLPPDVVFFCQPEGCLSVRQRMS
 LRDDTSFVFTLTDKDTGVTRYGICVNFYRSFQKRISKEKGEAGSRGKEGTHATCASEEGGTESESGS
 SLQPLSADSTPDVNQSPRGKRRAKAGSRSRNSTLTSCLVLSHYPPFFSTFRECLYTLKRLVDCSERLLGK
 KLGIPRGVQRDMMWRIFTGSLLEVEEKSSALLHDLREIEAWIYRLLRSPVPVSGQKRVIEVLPQELQPAL
 TFALPDPSTRFTLVDFPLHLPLELLGVDAQLVLTICILLEHKVVLQSRDYNALSMSVMAFVAMIYPLEYMF
 PVIPLLPCTMASAEQLLLAPTPYIIGVPASFLLYKLDKMPDDVWLVDLDSNRVIAPTNAEVLPIPEPE
 SLELKKHLKQALASMSLNTQPIILNLEKFHEGQEIPLLLGRPSNDLQSTPSTEFNPLIYGNVDVSDVATR
 VAMVRFNSANVLQGFQMHTRTLRLLFPRPVVAFQAGSFLASRPRQTPFAEKLARTQAVEYFGEWILNPTN
 YAFQRIHNNMFDPALIGDKPKWYAHQLQPIHYRVYDSNSQLAEALSVPPERDSDSEPTDDSGSDSMYDD
 SSSYSYSLGDFVSEMMKCDINGDTPNVDPLTHAALGDASEVEIDELQNQKEAEEPGPDSSENSQENPLRS
 SSSTTASSPSTVIHGANSEPADSTEMDDKAAVGVSKPLPSVPPSIGKSNVDRRQAEIGEGSVRRRIYDN
 PYFEPQYGFPEEDEDQGESYTPRFSQHVSNGRAQKLLRPNSLRASDSDAESDRASSPNSTVNTST
 EFGGGIMSFASSLYRNHSTSFSLSNLTLPTKGAKEKATPFPSLKGNNRALVDQKSSVIKHSPVTKREPPS
 PQGRSSNSSENQFLKEVHVSVDGQGVWLNMKKVRRLLLESEQLRVFVLSKLNRMVQSEDDARQDIIPD
 VEISRKYKGMILLKCTVLLEQSYAHAGLGGMASIFGLLEIAQTHYYSKEPDKRKRSPTESVNTPVGK
 DPGLAGRGDPKAMAQLRVPQLGPRAPSATGKGPKELDTRSLKEENFIASIGPEVIKPVFDLGETEEKSQ
 ISADSGVSLTSSSQRTDQDSVIGVSPAVMIRSSSQDSEVSTVSNSSGETLGADSDLSSNAGDGGGEGSV
 HLASSRGTLSDEIETNSATSTIFGKAHSLKPSIKEKLAGSPIRTSEDVSQRVYLYEGLLGKERSTLWDQ
 MQFWEDAFLDVAMLEREGMGMDQGPQEMIDRYLSLGEHDRKLEDEDEDRLATLLHNLISYMLLMKVNKN
 DIRKKVRRRLMGKSHIGLVYSQQINEVLQLANLNGRDLIWSGSRHMKKQTFVVHAGTDNNGDIFFMV
 CDDCVVLRNSNIGTVYERWWEKLIINMTYCPKTKVLCWRRRNGSETQLNKFYTKKRELYYCVKDSMERAA
 ARQQSIIKGPPELGGFEPVQDLKTGEGGLLQVTLEGINLKFMHNQVFIELNHIKKCNTVRGVFVLEEFVPE
 IKEVSSHKYKTPMAHEICYSVLCVLSYVAAVHSSEEDLRTPRPVSS

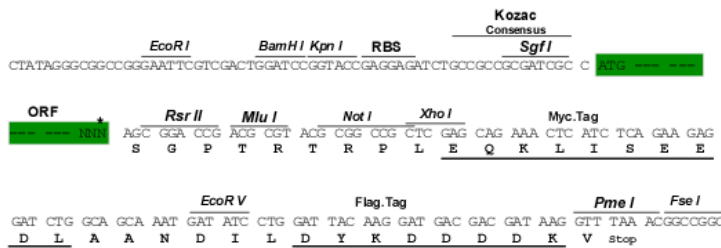
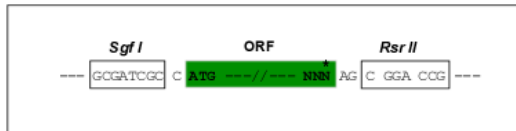
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

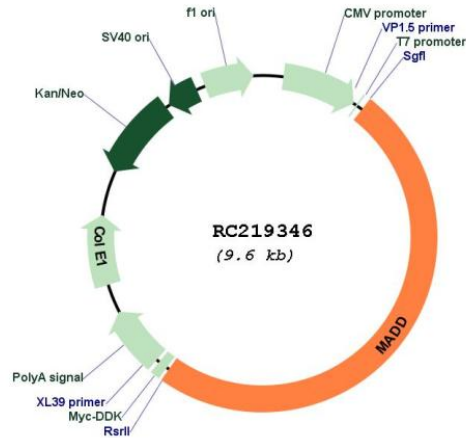
SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_130476

ORF Size: 4761 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_130476.2](#), [NP_569832.2](#)

RefSeq Size:	5875 bp
RefSeq ORF:	4764 bp
Locus ID:	8567
UniProt ID:	Q8WXG6
Cytogenetics:	11p11.2
Domains:	DENN, dDENN, uDENN
Protein Families:	Druggable Genome
MW:	176.9 kDa
Gene Summary:	<p>Tumor necrosis factor alpha (TNF-alpha) is a signaling molecule that interacts with one of two receptors on cells targeted for apoptosis. The apoptotic signal is transduced inside these cells by cytoplasmic adaptor proteins. The protein encoded by this gene is a death domain-containing adaptor protein that interacts with the death domain of TNF-alpha receptor 1 to activate mitogen-activated protein kinase (MAPK) and propagate the apoptotic signal. It is membrane-bound and expressed at a higher level in neoplastic cells than in normal cells. Several transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]</p>