

## Product datasheet for RC219292

### DENN (MADD) (NM\_130474) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DENN (MADD) (NM_130474) 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:	>RC219292 representing NM_130474 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGTGCAAAAGAAGAAGTTCTGTCCTCGTTACTTGACTATCTAGTGATCGTAGGGCCAGGCACCCGA  
GCAGTGATAGCGTGGCCAGACTCCTGAATTGCTACGGCGATACCCCTTGGAGGATCACACTGAGTTTCC  
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GCCTCTTTCCTCGGCCTGTGGTAGCTTTTCAAGCTGGCTCCTTCTAGCCTCACGTCCCCGGCAGACTCC  
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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
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**Protein Sequence:** >RC219292 representing NM\_130474  
 Red=Cloning site Green=Tags(s)

MVQKKKFCPRLLDYLVIIVGARHPSSDSVAQTPELLRRYPLEDHTEFPLPPDVVFFCQPEGCLSVRQRMS  
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 YAFQRIHNNMFDPALIGDKPKWYAHQLQPIHYRVYDSNSQLAEALSVPPERDSDSEPTDSDSGSDMDYDD  
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 KGNRRALVDQKSSVIKHSPTVKREPPSPQGRSSNSSENQFLKEVVHSLVDGQGVGWLNMKKVRRLLLESE  
 QLRFVFLSKLNRMVQSEDDARQDIIPDVEISRKYKGM LDKCTVLSLEQSYAHAGLGGMASIFGLLEI  
 AQTHYYSKEPDKRKRSPTESVNTPVGKDPGLAGRGDPKAMAQLRVPQLGPRAPSATGKGPKELDTRSLKE  
 ENFIASIGPEVIKPVFDLGETEEKSQISADSGVSLTSSSQRTDQDSVIGVSPAVMIRSSSQDSEVSTV  
 SNSSGETLGADSDLSSNAGDGPGGEGSVHLASSRGTLDSEIETNSATSTIFGKAHSLKPSIKEKLAGSP  
 IRTSEDVSQRVYLYEGLLGKERSTLWDQMWFEDAF L DAVMLERE GMGM DQGPQEMIDRYLSLGEHDRKR  
 LEDDEDRL L ATLLHNLISYMLLMKVNKNDIRKKVRRLMGKSHIGLVYSQQINEVLDQLANLNGRDL SIWS  
 SGRHMKKQTFVVHAGTDTNGDIFFMVCDCCVVLRSNIGTVYERWWEKLINMTYCPKTKVLC LWRRNG  
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 NQFLKLLKKW

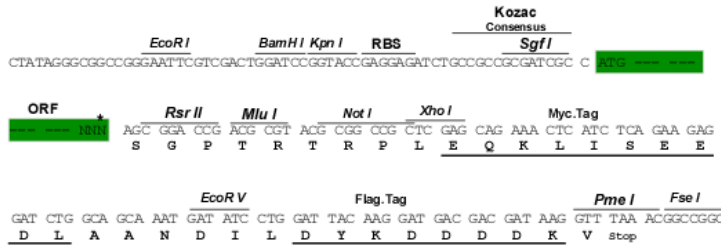
SGPTRRRL**EQKLI**SEEDLAANDILDYKDDDDK**V**

**Restriction Sites:**

SgfI-RsrII

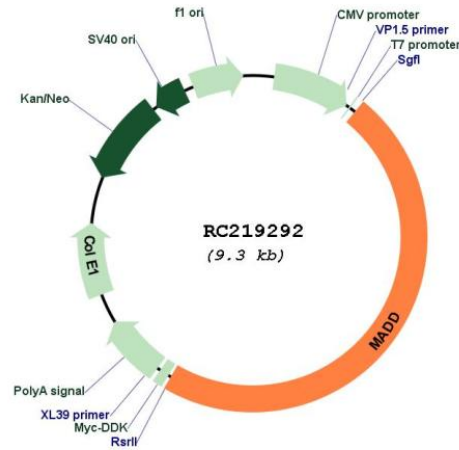
**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_130474

ORF Size: 4437 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_130474.2</a> , <a href="#">NP_569830.2</a>
<b>RefSeq Size:</b>	5655 bp
<b>RefSeq ORF:</b>	4440 bp
<b>Locus ID:</b>	8567
<b>UniProt ID:</b>	<a href="#">Q8WXG6</a>
<b>Cytogenetics:</b>	11p11.2
<b>Domains:</b>	DENN, dDENN, uDENN
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	164 kDa
<b>Gene Summary:</b>	<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>