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Product datasheet for SC309098

DENN (MADD) (NM_130475) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: DENN (MADD) (NM_130475) Human Untagged Clone

Tag: Tag Free

Symbol: MADD

Synonyms: DEEAH; DENN; IG20; NEDDISH; RAB3GEP; RabGEF

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_130475, the custom clone sequence may differ by one or more nucleotides

ATGGTGCAAAAGAAGAAGTTCTGTCCTCGGTTACTTGACTATCTAGTGATCGTAGGGGCC
AGGCACCCGAGCAGTGATAGCGTGGCCCAGACTCCTGAATTGCTACGGCGATACCCCTTG
GAGGATCACACTGAGTTTCCCCTGCCCCCAGATGTAGTGTTCTTCTGCCAGCCCGAGGGC
TGCCTGAGCGTGCGGCAGCGGCGCATGAGCCTTCGGGATGATACCTCTTTTGTCTTCACC
CTCACTGACAAGGACACTGGAGTCACGCGATATGGCATCTGTGTTAACTTCTACCGCTCC
TTCCAAAAGCGAATCTCTAAGGAGAAGGGGGAAGGTGGGGCAGGGTCCCGTGGGAAGGAA
GGAACCCATGCCACCTGTGCCTCAGAAGAGGGTGGCACTGAGAGCTCAGAGAGTGGCTCA
TCCCTGCAGCCTCTCAGTGCTGACTCTACCCCTGATGTGAACCAGTCTCCTCGGGGCAAA
CGCCGGGCCAAGGCGGGGAGCCGCTCCCGCAACAGTACTCTCACGTCCCTGTGCGTGCTC
AGCCACTACCCTTTCTTCTCCACCTTCCGAGAGTGTTTGTATACTCTCAAGCGCCTGGTG
GACTGCTGTAGTGAGCGCCTTCTGGGCAAGAAACTGGGCATCCCTCGAGGCGTACAAAGG
GACACCATGTGGCGGATCTTTACTGGATCGCTGCTGGTAGAGGAGAAGTCAAGTGCCCTT
CTGCATGACCTTCGAGAGATTGAGGCCTGGATCTATCGATTGCTGCGCTCCCCAGTACCC
GTCTCTGGGCAGAAGCGAGTAGACATCGAGGTCCTACCCCAAGAGCTCCAGCCAGCTCTG
ACCTTTGCTCTTCCAGACCCATCTCGATTCACCCTAGTGGATTTCCCACTGCACCTTCCC
TTGGAACTTCTAGGTGTGGACGCCTGTCTCCAGGTGCTAACCTGCATTCTGTTAGAGCAC
AAGGTGGTGCTACAGTCCCGAGACTACAATGCACTCTCCATGTCTGTGATGGCATTCGTG
GCAATGATCTACCCACTGGAGTATATGTTTCCTGTCATCCCGCTGCTACCCACCTGCATG
GCATCAGCAGAGCAGCTGCTGTTGGCTCCAACCCCGTACATCATTGGGGTTCCTGCCAGC
TTCTTCCTCTACAAACTGGACTTCAAAATGCCTGATGATGTATGGCTAGTGGATCTGGAC
AGCAATAGGGTGATTGCCCCCACCAATGCAGAAGTGCTGCCTATCCTGCCAGAACCAGAA
TCACTAGAGCTGAAAAAGCATTTAAAGCAGGCCTTGGCCAGCATGAGTCTCAACACCCAG
CCCATCCTCAATCTGGAGAAATTTCATGAGGGCCAGGAGATCCCCCTTCTCTTGGGAAGG
CCTTCTAATGACCTGCAGTCCACACCGTCCACTGAATTCAACCCACTCATCTATGGCAAT
GATGTGGATTCTGTGGATGTTGCAACCAGGGTTGCCATGGTACGGTTCTTCAATTCCGCC
AACGTGCTGCAGGGATTTCAGATGCACACGCGTACCCTGCGCCTCTTTCCTCGGCCTGTG
GTAGCTTTTCAAGCTGGCTCCTTTCTAGCCTCACGTCCCCGGCAGACTCCTTTTGCCGAG
AAATTGGCCAGGACTCAGGCTGTGGAGTACTTTGGGGAATGGATCCTTAACCCCACCAAC
TATGCCTTTCAGCGAATTCACAACAATATGTTTGATCCAGCCCTGATTGGTGACAAGCCA

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AAGTGGTATGCTCATCAGCTGCAGCCTATCCACTATCGCGTCTATGACAGCAATTCCCAG
CTGGCTGAGGCCCTGAGTGTACCACCAGAGCGGGACTCTGACTCCGAACCTACTGATGAT
AGTGGCAGTGATAGTATGGATTATGACGATTCAAGCTCTTCTTACTCCTCCCTTGGTGAC
TTTGTCAGTGAAATGATGAAATGTGACATTAATGGTGATACTCCCAATGTGGACCCTCTG
ACACATGCAGCACTGGGGGATGCCAGCGAGGTGGAGATTGACGAGCTGCAGAATCAGAAG
GAAGCAGAAGAGCCTGGCCCAGACAGTGAGAACTCTCAGGAAAACCCCCCACTGCGCTCC
AGCTCTAGCACCACAGCCAGCAGCAGCCCCAGCACTGTCATCCACGGAGCCAACTCTGAA
CCTGCTGACTCTACGGAGATGGATGATAAGGCAGCAGTAGGCGTCTCCAAGCCCCTCCCT
TCCGTGCCTCCCAGCATTGGCAAATCGAACGTGGACAGACGTCAGGCAGAAATTGGAGAG
GGGTCAGTGCGCCGGCGAATCTATGACAATCCATACTTCGAGCCCCAATATGGCTTTCCC
CCTGAGGAAGATGAGGATGAGCAGGGGGAAAGTTACACTCCCCGATTCAGCCAACATGTC
AGTGGCAATCGGGCTCAAAAGCTGCTGCGGCCCAACAGCTTGAGACTGGCAAGTGACTCA
GATGCAGAGTCAGACTCTCGGGCAAGCTCTCCCAACTCCACCGTCTCCAACACCAGCACC
GAGGGCTTCGGGGGCATCATGTCTTTTGCCAGCAGCCTCTATCGGAACCACAGTACCAGC
TTCAGTCTTTCAAACCTCACACTGCCCACCAAAGGTGCCCGAGAGAAGGCCACGCCCTTC
CCCAGTCTGAAAGTATTTGGGCTAAATACTCTAATGGAGATTGTTACTGAAGCCGGCCCC
GGGAGTGGTGAAGGAAACAGGAGGGCGTTAGTGGATCAGAAGTCATCTGTCATTAAACAC
AGCCCAACAGTGAAAAGAGAACCTCCATCACCCCAGGGTCGATCCAGCAATTCTAGTGAG
AACCAGCAGTTCCTGAAGGAGGTGGTGCACAGCGTGCTGGACGGCCAGGGAGTTGGCTGG
CTCAACATGAAAAAGGTGCGCCGGCTGCTGGAGAGCGAGCAGCTGCGAGTCTTTGTCCTG
AGCAAGCTGAACCGCATGGTGCAGTCAGAGGACGATGCCCGGCAGGACATCATCCCGGAT
GTGGAGATCAGTCGGAAGGTGTACAAGGGAATGTTAGACCTCCTCAAGTGTACAGTCCTC
AGCTTGGAGCAGTCCTATGCCCACGCGGGTCTGGGTGGCATGGCCAGCATCTTTGGGCTT
TTGGAGATTGCCCAGACCCACTACTATAGTAAAGAACCAGACAAGCGGAAGAGAAGTCCA
ACAGAAAGTGTAAATACCCCAGTTGGCAAGGATCCTGGCCTAGCTGGGCGGGGGGACCCA
AAGGCTATGGCACAACTGAGAGTTCCACAACTGGGACCTCGGGCACCAAGTGCCACAGGA
AAGGGTCCTAAGGAACTGGACACCAGAAGTTTAAAGGAAGAAAATTTTATAGCATCTATT
GAATTGTGGAACAAGCACCAGGAAGTGAAAAAGCAAAAAGCTTTGGAAAAACAGAGGCCT
GAAGTAATCAAACCTGTCTTTGACCTTGGTGAGACAGAGGAGAAAAAGTCCCAGATCAGC
GCAGACAGTGGTGTGAGCCTGACGTCTAGTTCCCAGAGGACTGATCAAGACTCTGTCATC
GGCGTGAGTCCAGCTGTTATGATCCGCAGCTCAAGTCAGGATTCTGAAGTTAGCACCGTG
GTGAGTAATAGCTCTGGAGAGACCCTTGGAGCTGACAGTGACTTGAGCAGCAATGCAGGT
GATGGACCAGGTGGCGAGGGCAGTGTTCACCTGGCAAGCTCTCGGGGCACTTTGTCTGAT
AGTGAAATTGAGACCAACTCTGCCACAAGCACCATCTTTGGTAAAGCCCACAGCTTGAAG
CCAAGCATAAAGGAGAAGCTGGCAGGCAGCCCCATTCGTACTTCTGAAGATGTGAGCCAG
CGAGTCTATCTCTATGAGGGACTCCTAGGAAGGGACAAAGGATCCATGTGGGACCAGTTA
GAGGATGCAGCTATGGAGACCTTTTCTATAAGCAAAGAGCGTTCTACTTTATGGGACCAA
ATGCAATTCTGGGAAGATGCCTTCTTAGATGCTGTGATGTTGGAGAGAGAAGGGATGGGT
ATGGACCAGGGTCCCCAGGAAATGATCGACAGGTACCTGTCCCTTGGAGAACATGACCGG
AAGCGCCTGGAAGATGATGAAGATCGCTTGCTGGCCACACTTCTGCACAACCTCATCTCC
TACATGCTGCTGATGAAGGTAAATAAGAATGACATCCGCAAGAAGGTGAGGCGCCTAATG
GGAAAGTCGCACATTGGGCTTGTGTACAGCCAGCAAATCAATGAGGTGCTTGATCAGCTG
GCGAACCTGAATGGACGCGATCTCTCTATCTGGTCCAGTGGCAGCCGGCACATGAAGAAG
CAGACATTTGTGGTACATGCAGGGACAGATACAAACGGAGATATCTTTTTCATGGAGGTG
TGCGATGACTGTGTGGTGTTGCGTAGTAACATCGGAACAGTGTATGAGCGCTGGTGGTAC
GAGAAGCTCATCAACATGACCTACTGTCCCAAGACGAAGGTGTTGTGCTTGTGGCGTAGA
AATGGCTCTGAGACCCAGCTCAACAAGTTCTATACTAAAAAGTGTCGGGAGCTGTACTAC
TGTGTGAAGGACAGCATGGAGCGCGCTGCCGCCCGACAGCAAAGCATCAAACCCGGACCT
GAATTGGGTGGCGAGTTCCCTGTGCAGGACCTGAAGACTGGTGAGGGTGGCCTGCTGCAG
GTGACCCTGGAAGGGATCAACCTCAAATTCATGCACAATCAGTTCCTGAAATTAAAGAAG
TGGTGA

Restriction Sites:	Please inquire
ACCN:	NM_130475
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_130475.1, NP_569831.1
RefSeq Size:	5957 bp
RefSeq ORF:	4746 bp
Locus ID:	8567
UniProt ID:	Q8WXG6
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome
Gene Summary:	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] Transcript Variant: This variant (7) has a different exon 1 sequence and lacks exon 34 as compared to transcript variant 4. The resulting isoform (g) is shorter and has a different carboxyl terminus as compared to the isoform (d) encoded by transcript variant 4.