

Product datasheet for **SC109954**

DENN (MADD) (NM_130470) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENN (MADD) (NM_130470) Human Untagged Clone
Tag:	Tag Free
Symbol:	MADD
Synonyms:	DEEAH; DENN; IG20; NEDDISH; RAB3GEP; RabGEF
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_130470, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCAAAGAAGAAGTTCTGTCTCGGTTACTTGACTATCTAGTGATCGTAGGGCCAGGCACCCGA
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TAGCTGA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_130470 unedited NNGGGTCGGAATTTGTATACGACTCCTATAGGGCGGCCGCGATTCCGGCACGAGGGTGTAG CATGCCTTGGGTTTTCTTTGGCATCTGAAAAGGCACAACCTGAAAGACCTAGAACCCAG TGTCGGTCCCCAGGCCCTTTGGGACAGGAAGAGAAGAGCCGTGTGGCCGCGGGGAGGATG TCCTGCGGCGGGGCTGCCTCGCGGACTGACTGGACTCCATCTCCAGCGGGCGCCGCGG CGCGGCCACGCCCCCCCCACTCCCCGCGCGCCCGGTGGAGACTTCGATTTTCAGAATT CCTCCTGGGAATGCTGACTCCTTGCTTGGTGCCCTGATGCTTCTCTGAGATAAACTGATG AATTGGAACCATGGTGCAAAAAGAAGAAGTTCTGTCTCGGTTACTTGACTATCTAGTGAT CGTAGGGGCCAGGCACCCGAGCAGTGATAGCGTGGCCAGACTCCTGAATTGCTACGGCG ATACCCCTTGGAGGATCACACTGAGTTTCCCCTGCCCCAGATGTAGTGTCTTCTGCCA GCCCCGAGGCTGCCTGAGCGTGCGGCAGCGGCATGAGCCTTCGGGATGATACCTTTT TGTCTTACCCTCACTGACANGGACTGGAGTACGCGATATGGCATCTGTGTTAACTT CTACCGCTCCTTTCAAAGCGAATCTCTANGGGAGAAGGGGAAGGGTGGGCAGGGTTCCG TGGAAAGGAAGGATTCATGCCACCTGTGCCTCAAAGAAGGTGGCACTGANAGCTCANAGA GTGGGTATCCCTGCAGCCTCTCAGTGCTGACTCTACCCCTGATGTGGAACCACTCTCCT CGGGGCAAACGCCGCCCCANGGCGNNGAGCCGCTCCCGCACAGTACTCTACGTN
Restriction Sites:	NotI-NotI
ACCN:	NM_130470
Insert Size:	5500 bp
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).
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_130470.1 , NP_569826.1
RefSeq Size:	5973 bp
RefSeq ORF:	4767 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 (1) has a different exon 1 sequence and lacks exons 16, 21 and 26, as compared to transcript variant 4. The resulting isoform (a) is shorter than isoform d.