

Product datasheet for RC219397

DENN (MADD) (NM_003682) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DENN (MADD) (NM_003682) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DENN
Synonyms:	DEEAH; DENN; IG20; NEDDISH; RAB3GEP; RabGEF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219397 representing NM_003682 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219397 representing NM_003682
 Red=Cloning site Green=Tags(s)

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 TFALPDPSTRFTLVDFPLHLPLELLGVDACLQVLTCILLEHKVVLQSRDYNALSMSVMAFVAMIYPLEYMF
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Chromatograms:

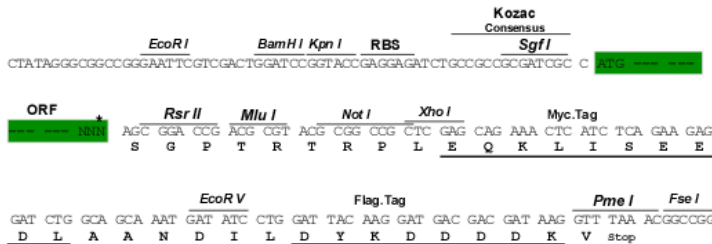
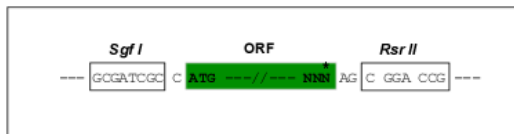
https://cdn.origene.com/chromatograms/mk8021_a06.zip

Restriction Sites:

SgfI-RsrII

Cloning Scheme:

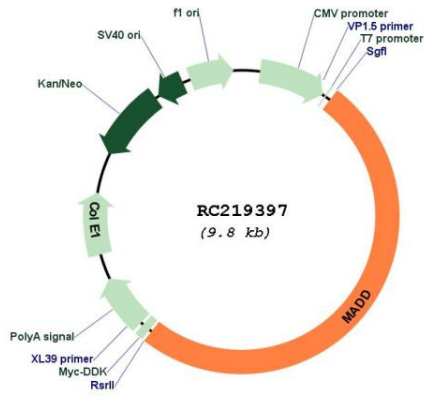
Cloning sites used for ORF Shuttling:



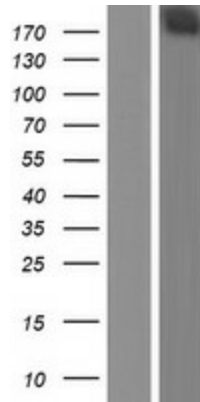
* The last codon before the Stop codon of the ORF

ACCN:	NM_003682
ORF Size:	4941 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_003682.2 , NP_003673.2
RefSeq Size:	6016 bp
RefSeq ORF:	4944 bp
Locus ID:	8567
UniProt ID:	Q8WYG6
Cytogenetics:	11p11.2
Domains:	DENN, dDENN, uDENN
Protein Families:	Druggable Genome
MW:	183.1 kDa
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]

Product images:



Circular map for RC219397



Western blot validation of overexpression lysate (Cat# [LY418500]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219397 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).