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CN: techsupport@origene.cn

Product datasheet for MR212036

Madd (NM_145527) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Madd (NM_145527) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Madd
Synonyms:	9630059K23Rik; IG20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR212036 representing NM_145527 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGTGCAAAAGAAGTTCTGCCCTCGGTTACTTGACTATCTCGTGATCGTAGGGGCGAGGCACCCAAGCA GTGACAGTGTGGCTCAGACTCCTGAGCTGCTGCGGAGGTACCCACTAGAGGATCACCCAGAGTTCCCCCT GCCCCCAGATGTGGTGTTCTTCTGCCAGCCAGAAGGATGTCTGAGTGTGCGGCAGCGGCGGATGAGCCTT CGGGACGATACCTCTTTTGTCTTCACCCTAACCGATAAGGACACCGGAGTCACCCGCTATGGCATCTGTG TCAACTTCTACCGTTCCTTCCAAAAGCGAATGCCAAAGGAAAAGGTGGAAGGCGGAGCAGGACCCCGTGG GAAGGAAGGCGCTCACACCTCTGGTGCCTCAGAAGAGGCTGCCGCTGGGAGCTCAGAGAGTGGCTCAACC TTGCAGCCGCCTAGTGCTGACTCCACTCCTGACGTAAACCAGTCTCCTCGGGGCAAACGTAGGGCAAAAG CGGGCAGCCGCTCCCGCAACAGTACCCTGACATCCCTGTGTGTGCTTAGCCACTACCCTTTCTTCTCTAC CTTCAGAGAGTGTCTGTATACTCTCAAACGTTTGGTAGACTGCTGTAGTGAACGGCTGCTAGGCAAGAAA CTGGGCATCCCTCGAGGTGTACAAAGGGACACCATGTGGCGAATCTTTACTGGATCACTGCTAGTGGAGG AGAAGTCCAGTGCCCTTCTGCAAGACCTTCGAGAGATTGAGGCCTGGATCTATCGGTTGCTACGTTCCCC AGTGCCTGTCTCTGGGCAGAAGCGAGTGGACATTGAGGTCCTGCCCCAGGAACTCCAGCAGGCCCTGACA TTTGCTCTTCCAGATCCATCTCGATTCACCCTAGTAGATTTCCCTCTTCACCTTCCCTTGGAACTTCTGG GTGTAGATGCTTGTCTTCAGGTGCTAACCTGCATCCTGTTGGAGCACAAGGTGGTGCTGCAGTCTCGAGA CTACAATGCACTCTCCATGTCTGTGATGGCGTTCGTGGCAATGATCTACCCCCTGGAGTACATGTTCCCG GTCATCCCGCTGCTTCCCACCTGCATGGCCTCGGCAGAGCAGCTACTCTTGGCTCCAACCCCATACATCA TTGGAGTTCCTGCCAGCTTCTTCCTCTACAAGCTAGATTTCAAAATGCCCGATGACGTGTGGCTAGTGGA TCTGGACAGCAATAGGGTGATTGCCCCCACCAATGCAGAAGTGCTACCCATCCTGCCAGAACCAGAATCA TTAGAGCTGAAAAAACACTTAAAGCAGGCCTTAGCCAGCATGAGTCTCAACACCCAGCCCATTCTTAACC TGGAGAAATTCCACGAGGGCCAGGAGATCCCGCTTCTCTTGGGAAGGCCATCTAATGACCTTCAGTCCAC ACCTTCCACTGAATTCAACCCGCTCATTTATGGCAATGATGTAGATTCAGTCGACGTTGCAACGAGAGTG GCCATGGTACGTTTCTTCAACTCTGCTAACGTGCTGCAGGGCTTTCAGATGCACACACGTACCCTGCGAC

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Protein Sequence:

>MR212036 representing NM_145527
Red=Cloning site Green=Tags(s)

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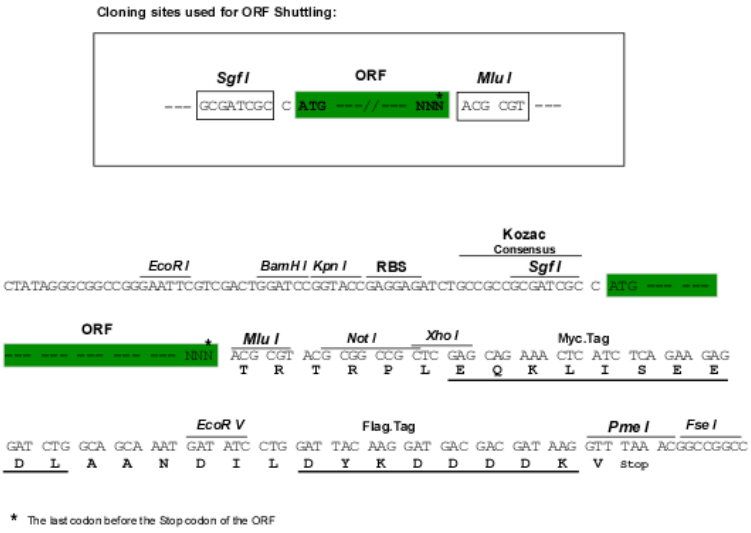
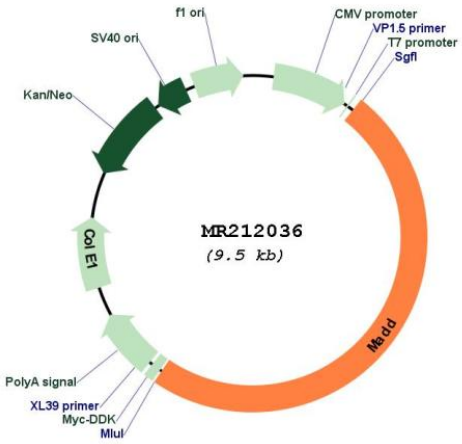
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_145527
ORF Size:	4674 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_145527.4, NP_663502.3
RefSeq Size:	6094 bp
RefSeq ORF:	4677 bp
Locus ID:	228355
UniProt ID:	Q80U28
Cytogenetics:	2 E1
MW:	173.7 kDa
Gene Summary:	Plays a significant role in regulating cell proliferation, survival and death through alternative mRNA splicing. Converts GDP-bound inactive form of RAB3A, RAB3C and RAB3D to the GTP-bound active forms. Component of the TNFRSF1A signaling complex: MADD links TNFRSF1A with MAP kinase activation. Plays an important regulatory role in physiological cell death (TNF-alpha-induced, caspase-mediated apoptosis).[UniProtKB/Swiss-Prot Function]