

Product datasheet for **RG200107**

MADM (NRBP1) (NM_013392) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MADM (NRBP1) (NM_013392) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MADM
Synonyms:	BCON3; MADM; MUDPNP; NRBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG200107 representing NM_013392
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGAGGGGAGTCCCAGACAGTACTTAGCAGTGGCTCAGACCCAAAGGTAGAATCCTCATCTTCAG
 CTCTGGCCTGACATCAGTGTCACTCCTGTGACCTCCACAACCTCAGCTGCTTCCCAGAGGAAGAAGA
 AGAAAGTGAAGATGAGTCTGAGATTTTGAAGAGTCGCCCTGTGGGCGCTGGCAGAAGAGGCGAGAAGAG
 GTGAATCAACGGAATGTACCAAGGTATTGACAGTGCATACCTGGCCATGGATACAGAGGAAGGTGTAGAGG
 TTGTGTGAATGAGGTACAGTTCTCTGAACGCAAGAACTACAAGCTGCAGGAGGAAAAGTTCTGTCTGT
 GTTTGATAATCTGATTCAATTGGAGCATCTTAACATTGTTAAGTTTCAAAATATTGGGCTGACATTAA
 GAGAACAAAGGCCAGGTCAATTTTATCACAGAATACATGCATCTGGGAGTCTGAAGCAATTTCTGAAGA
 AGACAAAAAGAACCAAGACGATGAATGAAAAGGCATGGAAGCGTTGGTGACACAAATCCTCTCTGC
 CCTAAGCTACCTGCACTCTGTGACCCCCCATCATCCATGGGAACCTGACCTGTGACACCATCTTCATC
 CAGCACAAACGGACTCATCAAGATTGGCTCTGTGGCTCCTGACACTATCAACAATCATGTGAAGACTTGTC
 GAGAAGAGCAGAAGAATCTACACTTCTTTGCACCAGAGTATGGAGAAGTCAATGTGACAACAGCAGT
 GGACATCTACTCCTTTGGCATGTGTGCACTGGAGATGGCAGTGTGGAGATTGAGGGCAATGGAGAGTCC
 TCATATGTGCCACAGGAAGCCATCAGCAGTGCCATCCAGCTTCTAGAAGACCCATTACAGAGGGAGTTCA
 TTCAAAGTGCCAGTCTGAGCCTGCTCGCAGACCAACAGCCAGAGAACTTCTGTTCCACCCAGCATT
 GTTTGAAGTGCCCTCGCTCAAACCTCTTGGCGCCCACTGCATTGTGGGACCAACACATGATCCAGAG
 AACGCTCTAGAGGAGATCACAAAAACATGGATACTAGTGCCGTACTGGCTGAAATCCCTGCAGGACCAG
 GAAGAGAACCAGTTCAGACTTTGTACTCTCAGTCACCAGCTCTGGAATTAGATAAATCCTTGAAGATGT
 CAGGAATGGGATCTATCCTCTGACAGCCTTTGGGCTGCCTCGGCCCCAGCAGCCACAGCAGGAGGAGGTG
 ACATCACCTGTCTGCCCCCTCTGTCAAGACTCCGACACCTGAACCAGCTGAGGTGGAGACTCGCAAGG
 TGGTGCTGATGCACTGCAACATTGAGTCGGTGGAGGAGGAGTCAAAACCCACCTGACACTTCTGCTGAA
 GTTGGAGGACAACTGAACCGGCACCTGAGCTGTGACCTGATGCCAAATGAGAATATCCCGAGTTGGCG
 GCTGAGCTGGTGCAGCTGGGCTTCATTAGTGAGGCTGACCAGAGCCGTTGACTTCTCTGCTAGAAGAGA
 CCTGAACAAGTTCAATTTGCCAGGAACAGTACCCTCAACTCAGCCGCTGTACCGTCTCCTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG200107 representing NM_013392
 Red=Cloning site Green=Tags(s)

MSEGESQTVLSSGSDPKVESSSSAPGLTSVSPVSTTSAA SPEEEEESEDESEILEESPCGRWQKRREE
 VNQRNVPGIDSAYLAMDTTEEGVEVVWNEVQF SERKNYKLQEEKVRAVFDNLIQLEHLNIVKFHKYWADIK
 ENKARVIFITEYMSSGSLKQFLKTKKNHKT MNEKAWKRWCTQILSALSYLHSCDPPIIHGNLTCDTIFI
 QHNGLIKIGSVAPDTINN HVKTCREEQKNLHFFAPEYGEVTNVTTAVDIYSFGMCALEMAVLEIQNGES
 SYVPQEAISSAIQLLEDPLQREFIQKCLQSEPARRPTARELLFHPALFEVPSLKLLAAHCIVGHQHMIPE
 NALEEITKNMDTSAVLAEIPAGPGREPQVTLYSQSPALEDKFLDVDNRNGIYPLTAFGLPRPQQPQQEEV
 TSPVPPSVKTPTEPAEVETRKVVL MQCNIESVEEGVKHHLTLLKLKEDKLNRLHSCDLPNENIPELA
 AELVQLGFISEADQSRLTSLLEETLNKFN FARNSTLNSAAVTVSS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_013392

ORF Size: 1605 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_013392.4](#)

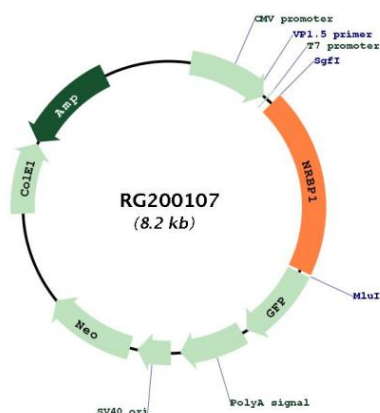
RefSeq Size: 2212 bp

RefSeq ORF: 1608 bp

Locus ID: 29959

UniProt ID:	<u>Q9UHY1</u>
Cytogenetics:	2p23.3
Domains:	pkinese, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	May play a role in subcellular trafficking between the endoplasmic reticulum and Golgi apparatus through interactions with the Rho-type GTPases. Binding to the NS3 protein of dengue virus type 2 appears to subvert this activity into the alteration of the intracellular membrane structure associated with flaviviral replication.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG200107