

Product datasheet for **MG203882**

Ddah2 (BC003328) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ddah2 (BC003328) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ddah2
Synonyms: NG30, G6a, Ddah, 1110003M04Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203882 representing BC003328
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACCGGGGGAGGGGCTGGGTCGTTGTTCCCATGCCCTGATCCGGGGTGTCCCGAGAGCTTGG
CATCCGGGAAGGTGCTGGCGTGGTCTTCCGGCTCTGGACCTGGCTAAAGCTCAAAGGGAGCATGGAGT
ACTAGGAGGTAAGTGAAGCAACGACTAGGGCTGCAGCTGCTTGAAGTGCCTCCTGAGGAGTCACTGCCG
CTGGGACCACTGCTTGGTACACGGCTGTGATCCAAGGAGACACGGCCCTAATCACAAGGCCCTGGAGCC
CAGCACGTAGGCCTGAGGTTGATGGAGTGCCTAAAGCCCTCCAGGACTTGGGACTCCGAATTGTGGAGAT
GGGAGATGAGAAATGCGACGCTGGACGGCACCGAGTCTCTTACCGGCCGGGAGTTTTTCGTAGGCCTC
TCCAAGTGGACCAATCATCGAGGAGCTGAGATCGTGGCAGACACGTTCCGGGACTTCGCTGTCTCAACGG
TACCGGTCTCAGGCTCCTCGCACCTACGCGGCCTCTGTGGCATGGGGGACCTCGCACCGTGGTGGCTGG
AAGCAGCGAGGCTGCCAAAAAGCAGTCAGGGCAATGGCAGCGCTGACTGATCACCCCTACGCTCTCTG
ACCCTCCAGATGATGCAGCTAGTACTGTCTTTCTGCGTCTGGGTTGCCTGGTGCCACACCTTTCC
TCCTGCACCGGAGGTGGGACCTGCCAACAGCCAGGAGGCTCTGCAGAAGCTCTCTGATGTACCCCT
GGTACCTGTGCTCTCAGAAGTGGAGAAGGCTGGAGCTGGCCCTCAGCTCCCTGCTGCTGGTGTCTCAGC
ACACGCCCCCACTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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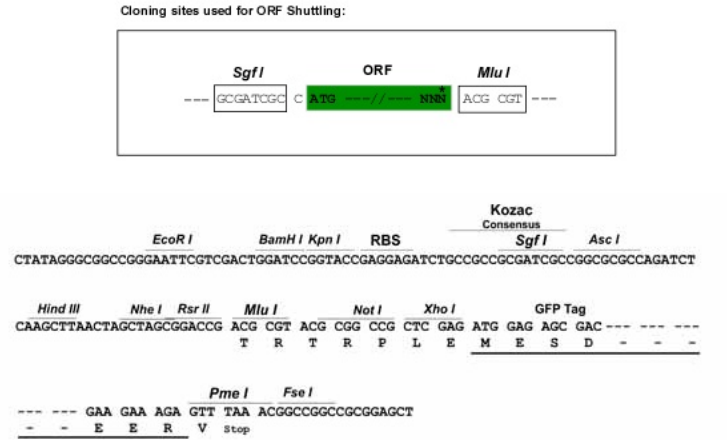
Protein Sequence: >MG203882 representing BC003328
 Red=Cloning site Green=Tags(s)

MGTPGEGLGRCSHALIRGVPELASGEGAGAGLPALDLAKAQREHGVLGKLRQRLGLQLLELPPEESLP
 LGPLLGDTAVIQGDALITRPWSPARRPEVDGVRKALQDLGLRIVEMGDENATLDGTDVLFTRGREFFVGL
 SKWTNHRGAEIVADTFRDFAVSTVPVSGSSHLRGLCGMGGPRTVVAGSSEAAQKAVRAMAALTDHPYASL
 TLPDDAASDCLFLRPLPGATPFLLRGGDLNPSQEALQKLSDVTLVPVSCSELEKAGAGLSSLCLVLS
 TRPHC

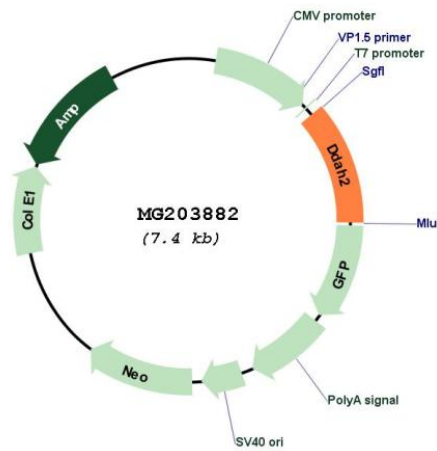
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC003328

ORF Size: 857 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:	BC003328 , AAH03328
RefSeq Size:	1310 bp
RefSeq ORF:	857 bp
Locus ID:	51793
Cytogenetics:	17 B1
Gene Summary:	Hydrolyzes N(G),N(G)-dimethyl-L-arginine (ADMA) and N(G)-monomethyl-L-arginine (MMA) which act as inhibitors of NOS. Has therefore a role in the regulation of nitric oxide generation (By similarity).[UniProtKB/Swiss-Prot Function]