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Product datasheet for MR203882

Ddah2 (NM_001190449) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddah2 (NM_001190449) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddah2
Synonyms:	1110003M04Rik; AU019324; AW413173; Ddah; DDAH-2; DDAHII; G6a; NG30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>MR203882 representing NM_001190449
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGACGCCGGGGGAGGGGCTGGGTCGTTGTTCCCATGCCCTGATCCGGGGTGTCCCCGAGAGCTTGG
CATCCGGGGAAGGTGCTGGCGCTGGTCTTCCGGCTCTGGACCTGGCTAAAGCTCAAAGGGAGCATGGAGT
ACTAGGAGGTAAACTGAGGCAACGACTAGGGCTGCAGCTGCTTGAACTGCCTCCTGAGGAGTCACTGCCG
CTGGGACCACTGCTTGGTGACACGGCTGTGATCCAAGGAGACACGGCCCTAATCACAAGGCCCTGGAGCC
CAGCACGTAGGCCTGAGGTTGATGGAGTGCGTAAAGCCCTCCAGGACTTGGGACTCCGAATTGTGGAGAT
GGGAGATGAGAATGCGACGCTGGACGGCACCGACGTCCTCTTCACCGGCCGGGAGTTTTTCGTAGGCCTC
TCCAAGTGGACCAATCATCGAGGAGCTGAGATCGTGGCAGACACGTTCCGGGACTTCGCTGTCTCAACGG
TACCGGTCTCAGGCTCCTCGCACCTACGCGGCCTCTGTGGCATGGGGGGACCTCGCACCGTGGTGGCTGG
AAGCAGCGAGGCTGCCCAAAAAGCAGTCAGGGCAATGGCAGCGCTGACTGATCACCCCTACGCCTCTCTG
ACCCTCCCAGATGATGCAGCTAGTGACTGTCTCTTTCTGCGTCCTGGGTTGCCTGGTGCCACACCTTTCC
TCCTGCACCGCGGAGGTGGGGACCTGCCCAACAGCCAGGAGGCTCTGCAGAAGCTCTCTGATGTCACCCT
GGTACCTGTGTCCTGCTCAGAACTGGAGAAGGCTGGAGCTGGCCTCAGCTCCCTCTGCCTGGTGCTCAGC
ACACGCCCCCACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

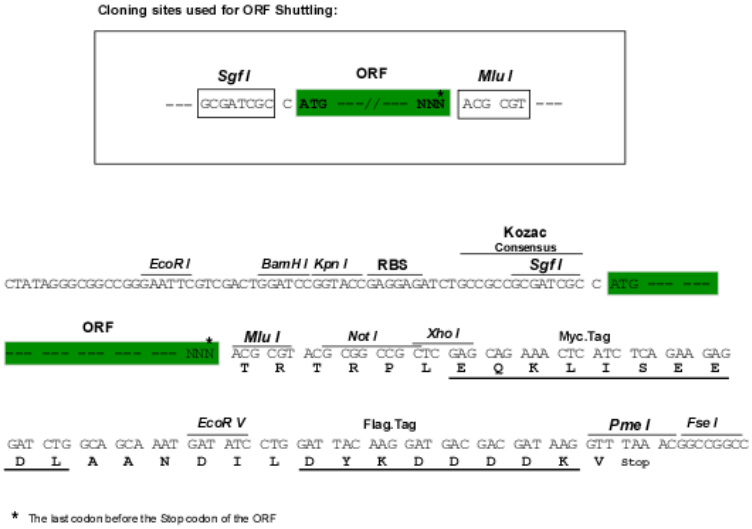
>MR203882 representing NM_001190449
Red=Cloning site Green=Tags(s)

MGTPGEGLGRCSHALIRGVPESLASGEGAGAGLPALDLAKAQREHGVLGGKLRQRLGLQLLELPPEESLP
LGPLLGDTAVIQGDTALITRPWSPARRPEVDGVRKALQDLGLRIVEMGDENATLDGTDVLFTGREFFVGL
SKWTNHRGAEIVADTFRDFAVSTVPVSGSSHLRGLCGMGGPRTVVAGSSEAAQKAVRAMAALTDHPYASL
TLPDDAASDCLFLRPGLPGATPFLLHRGGGDLPNSQEALQKLSDVTLVPVSCSELEKAGAGLSSLCLVLS
TRPHC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190449

ORF Size: 858 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).

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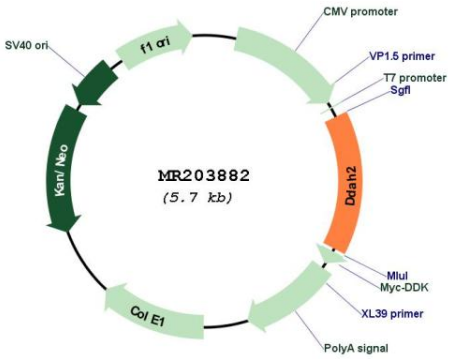
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001190449.1, NP_001177378.1
RefSeq Size:	1350 bp
RefSeq ORF:	858 bp
Locus ID:	51793
UniProt ID:	Q99LD8
Cytogenetics:	17 B1
MW:	29.6 kDa
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]

Product images:



Circular map for MR203882

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