

Product datasheet for **MG203883**

Ddah1 (NM_026993) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ddah1 (NM_026993) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ddah1
Synonyms: 2410006N07Rik; 2510015N06Rik; AI987801; AW050362
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203883 representing NM_026993
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGGCCTCGGCCACCCCTCCGCCTTCGGCCGGGCCACCCACGCCGTGGTGCGGGCTCCGCCGAGT
 CCCTGTGCCGCCACGCGCTGAGGCGCTCGCAGGGCGAGGAGGTGGATTCGCTCGCGCCGAGCGCCAGCA
 CGAGCTCTACGTGGGCGTCTGGCAGCAAGCTGGGGCTGCAGGTGGTGCAGCTGCCGCCGACGAGAGC
 CTGCCCGACTGCGTGTTCTGGAGGACGTGCCGTCGTGTGCAGGAGACGGCCCTCATCCCCGCCCG
 GGGCGCCAGCCGAGGAAGGAGTTGACATGATGAAAGAGGCTTGGAAAACTTCAGTCAACATAGT
 AGAGATGAAAGATGAAAAAGCACTTTGGATGGTGGGGACGTCCTATTCACAGGCAGAGAATTTTTGTG
 GGCTTTCCAAAAGAACAATCAACGAGGTGCTGAAATCTTGGCTGATACTTTAAGGACTACGCAGTCT
 CTACAGTCCCTGTGGCCGATTCTTTGCATTTAAAGAGTTTCTGCAGCATGGCCGGACCCAACCTGATTGC
 AATAGGGTCCAGCGAATCTGCACAGAAGGCCCTCAAGATCATGCAACAGATGAGTGACCATCGTTATGAC
 AAGTCACTGTACCCGACGACATGGCCGCAACTGCATATATCTAAATATCCCCAGCAAAGGGCATGTCT
 TGCTGCACCGAACCCAGAAGAGTACCCAGAAAGCGCAAAGGTCTATGAGAACTCAAGGACCATCTACT
 GATCCCTGTGAGCAACTCGGAGATGGAAAAGGTGGACGGCTTGTACCTGCTGCTCCGTTTTTATAAC
 AAGAAGATAGACTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203883 representing NM_026993
 Red=Cloning site Green=Tags(s)

MAGLGHPSAFGRATHAVVRAPPESLCRHALRRSQGEEVDFARAERQHEL YVGLGSKLGLQVVQLPADES
 LPDCVFVEDVAVVCEETALITRPGAPSRRKEVDMMKEALEKLQLNIVEMKDENATLDGGDVLFTGREFFV
 GLSKRTNQRGAEILADTFKDYAVSTVPVADSLHLKSFCSMAGPNLIAIGSSESAQKALKIMQMSDHRYP
 KLTVPDDMAANCIYLNIPSKGHVLLHRTPEEYPESAKVYEKLDHLLIPVSNSEMEKVDGLLTCCSVFIN
 KKIDS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026993

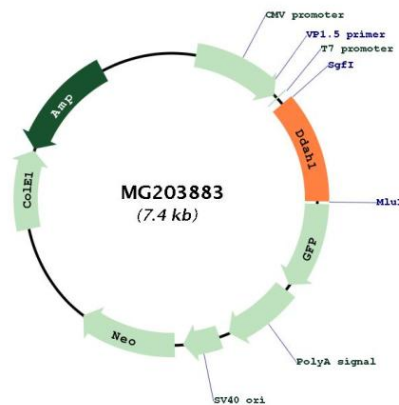
ORF Size: 855 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<u>NM_026993.3, NP_081269.1</u>
RefSeq Size:	1109 bp
RefSeq ORF:	858 bp
Locus ID:	69219
UniProt ID:	<u>Q9CWS0</u>
Cytogenetics:	3 H2
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.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MG203883