

Product datasheet for **RR216246**

Ddah2 (NM_001165936) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ddah2 (NM_001165936) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ddah2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216246 representing NM_001165936
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGACGCCGGGGAGGGGCTGGGTCGCTGTTCCCATGCCCTGATCCGGGGTGTCCCGAGAGCTTGG
CATCCGGGAAGGTGCTGGCGCTGGTCTTCCGGCTCTGGATCTGGCTAAAGCTCAAAGGGAGCATGGAGT
ACTAGGAGGTAAGTAACTGAGGCAACGACTAGGTCTGCAGCTTCTTGAAGTGCCTCCTGAGGAATCACTGCCG
CTGGGACCACTGCTTGGTGACACGGCTGTGATCCAAGGAGACACGGCTCTAATCACAAGGCCTGGAGCC
CAGCGCGTAGGCCTGAGGTTGATGGAGTCCGCAAAGCTCTCCAGGACTTGGGGCTCAGAATTGTGGAGAT
GGGGGATGAGAACGCTACGCTGGACGGCACCGACGTCTCTTACCAGCCGGGAGTTTTTCGTAGGCCTC
TCCAAGTGGACCAATCATCGAGGAGCTGAGATCGTGGCAGACACGTTCCGGGACTTCGCTGTCTCTACGG
TACCGGTCTCTGGCGCCTCGCATCTGCGCGGCCTCTGTGGCATGGGAGGACCTCGCACGGTGGTGGCTGG
AAGCAGTGAAGGTGCCAAAAAGCCGTAGGGCAATGGCAGCACTGACTGATCACCCCTACGCCTCTCTG
ACCCTCCAGATGACGCAGCGAGTACTGTCTCTTCTGCGTCTGGGTTGCCTGGTACCACACCTTTCC
TTCTGCACCGCGAGGTGGGGACCTGCCAACAGCCAGGAGGCTCTGCAAAGCTCTCTGACGTCACCCCT
GGTACCTGTGCTCTGCTCGGAAGTGGAGAAGGTTGGAGCTGGCCCTCAGCTCCCTCTGCTGGTGTCTCAGC
ACACGCCCCCACTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216246 representing NM_001165936
 Red=Cloning site Green=Tags(s)

MGTPGEGLGRCSHALIRGVPELASGEGAGAGLPALDLAKAQRHGVLGKKLRQRLGLQLLELPPEESLP
 LGPLLGD TAVIQGDTALITRPWSPARRPEVDGVRKALQDLGLRIVEMGDENATLDGTDVLF TGREFFVGL
 SKWTNHRGAEIVADTFRDFAVSTVPVSGASHLRGLCGMGGPRTVVAGSSEAAQKAVRAMAALTDHPYASL
 TLPDDAASDCLFLRPGLPGTTPFLLHRGGDL PNSQEALQKLSDVTLVPVSCSELEKVGAGLSSLCLVLS
 TRPHC

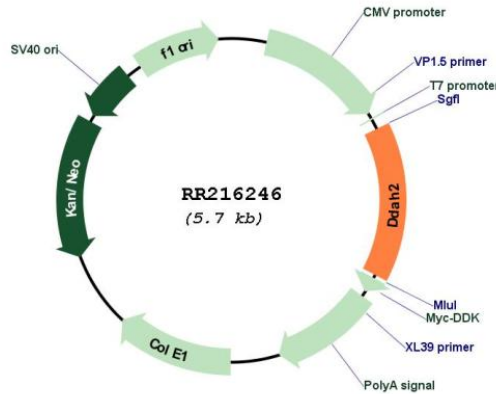
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001165936

ORF Size:	855 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:	NM_001165936.1 , NP_001159408.1
RefSeq Size:	1273 bp
RefSeq ORF:	858 bp
Locus ID:	294239
UniProt ID:	Q6MG60
Cytogenetics:	20p12
MW:	29.7 kDa
Gene Summary:	human and mouse homologs regulate the concentration of methylarginines [RGD, Feb 2006]