

## Product datasheet for **RR205721**

### **Ddah1 (NM\_022297) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Ddah1 (NM\_022297) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Ddah1  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR205721 representing NM\_022297  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGGCCTCAGCCACCCCTCGGTCTTCGGCCGGGCCACCCACGCCGTGGTGCGGGCTCCGCCGAGT  
 CCCTGTGCCGCCACGCGCTGAGGCGCTCCAGGGCGAAGAGGTGGATTCGCTCGCGCTGAGCGCCAGCA  
 CCAGCTCTACGTGGGCGTGTGGCAGCAAGCTGGGGCTGCAGGTGGTGCAGCTGCCGGCCGACGAGAGC  
 CTGCCTGACTGCGTGTTTCGTGGAGGACGTGGCCGTGGTGTGCGAGGAGACCGCCCTCATCACCGCCCCG  
 GGGCCCTAGCCGAGGAAGGAGTTGACATGATGAAAGAGGCTTTGAAAAAATTCAGTCAACATAGT  
 AGAGATGAAAGATGAAAATGCAACCTTAGATGGTGGGGACGTCCATTACAGGCAGAGAGTTTTTTGTG  
 GGCTTTCCAAAAGGACAAATCAACGAGGTGCTGAGATCTTGGCTGATACTTTCAAGGACTACGCAGTTT  
 CCACAGTCCCGTGGCCGATTCTTTGCATTTAAAGAGTTTCTGCAGCATGGCTGGCCCCAACCTGATCGC  
 AATAGGGTCCAGTGAATCTGCGCAGAAGGCCCTCAAGATCATGCAACAGATGAGTGACCACCGTTATGAC  
 AAGTCACTGTACCGGACGACATGGCCGCAACTGTATATTTAAATATCCCCAGCAAAGGGCATGTCT  
 TGCTGCACCGAACCCAGAAGAGTACCCAGAAAGCGCAAAGGTTTATGAGAAGCTCAAGGACCATCTACT  
 GATCCCTGTGAGCAATTCTGAGATGAAAAGGTGGACGGCTTCTCACCTGCTGCTCCGTTTTTATAAC  
 AAGAAGACAGACTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR205721 representing NM\_022297  
 Red=Cloning site Green=Tags(s)

MAGLSHPSVFGRATHAVVRAPPESLCRHALRRSQGEEVDFARAERQHLVYGVLGSKLGLQVVQLPADES  
 LPDCVFVEDVAVVCEETALITRPGAPSRRKEVDMMKAELEKLQLNIVEMKDENATLDGGDVLFTGREFFV  
 GLSKRTNQRGAEILADTFKDYAVSTVPVADSLHLKSFCSMAGPNLIAIGSSESAQKALKIMQMSDHRYP  
 KLTVPDDMAANCIYLNIPSKGHVLLHRTPEEYPESAKVYEKLDHLLIPVSNSEMEKVDGLLTCCSVFIN  
 KKTDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_022297

**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:**

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\\_022297.2](#), [NP\\_071633.1](#)

**RefSeq Size:** 2686 bp

**RefSeq ORF:** 858 bp

**Locus ID:** 64157

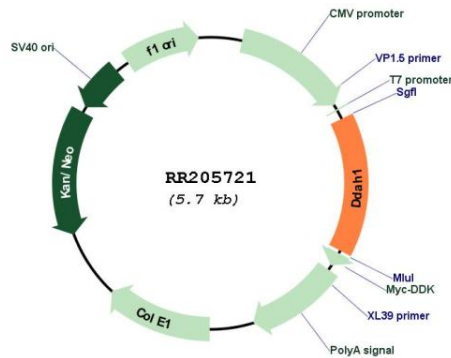
**UniProt ID:** [O08557](#)

**Cytogenetics:** 2q44

**MW:** 31.4 kDa

**Gene Summary:** enzyme metabolizes dimethylarginine; involved in regulating the concentration of nitric oxide [RGD, Feb 2006]

**Product images:**



Circular map for RR205721