

Product datasheet for **SC319363**

DDAH2 (NM_013974) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: DDAH2 (NM_013974) Human Untagged Clone
Tag: Tag Free
Symbol: DDAH2
Synonyms: DDAH; DDAHII; G6a; HEL-S-277; NG30
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_013974.1
 CTAAGAGCCAGAGCTCCCAGTCCCCGAGGCTTGAAGACGGGGACTCCCTTCTCCACCAAC
 TCTGTCTCGGGGGTGGGGCCCCAGCCGAGATCACAGCGGACAGGAGTGGGGGTGGCC
 GCTGGAGACAGGTGAAGAAACAAGAAAATAAGAAATCCGAGCGTTGGAGGGGGAGTCT
 GTGTGGATGGGATGGGGACGCCGGGGAGGGGCTGGGCCGCTGCTCCCATGCCCTGATCC
 GGGGAGTCCCAGAGAGCCTGGCGTGGGGGAAGGTGCGGGGGCTGGCCTTCCCGCTGCG
 ATCTGGCCAAAGCTCAAAGGGAGCACGGGGTGTGGGAGGTAAGTGAAGCAACGACTGG
 GGCTACAGCTGTAGAACTGCCACCTGAGGAGTCAATGCGCTGGGACCGCTGCTGGCG
 ACACGGCCGTGATCCAAGGGGACACGGCCCTAATCACGGGCCCTGGAGCCCCGCTCGTA
 GGCCAGAGGTGATGGAGTCCGCAAAGCCCTGCAAGACCTGGGGTCCGAATTGTGGAAA
 TAGGAGACGAGAACGCGACGCTGGATGGCACTGACGTTCTTCCACCGCCGGGAGTTTT
 TCGTAGGCCTCTCAAATGGACCAATCACCGAGGAGCTGAGATCGTGGCGGACACGTTCC
 GGGACTTCGCCGTCTCCACTGTGCCAGTCTCGGGTCCCTCCCACCTGCGCGGTCTCTGCG
 GCATGGGGGGACCTCGCACTGTTGTGGCAGGCAGCAGCGACGCTGCCAAAAGGCTGTCC
 GGGCAATGGCAGTGTGACAGATCACCCATATGCCTCCCTGACCTCCCAGATGACGCAG
 CTGCTGACTGTCTTTCTTCTGCTGCTGGGTTGCCTGGTGTGCCCTTTCTCTCTGCACC
 GTGGAGGTGGGGATCTGCCAACAGCCAGGAGGCACTGCAGAAGCTCTCTGATGTACCC
 TGGTACCTGTGTCTGCTCAGAAGTGGAGAAGGCTGGCGCCGGGCTCAGCTCCCTCTGCT
 TGCTGCTCAGCACACGCCCCACAGCTGAGGGCCTGGCCTTGGGGTACTGCTGGCCAGGG
 GTAGGATAGTATAGGAAGTAGAAGGGGAAGGAGGTTAGATAGAGAATGCTGAATAGGCA
 GTAGTTGGGAGAGAGCCTCAATATTGGGGAGGGGAGAGTGTAGGAAAAAGGATCCACTG
 GGTGAATCCTCCCTCTCAGAACCAATAAAATAGAATTGACCTTTTAAAAAAAAAAAAAAAA
 AAA

Restriction Sites: Please inquire
ACCN: NM_013974



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OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
Components:	<p>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).</p>
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:	<p>NM_013974.1, NP_039268.1</p>
RefSeq Size:	<p>1351 bp</p>
RefSeq ORF:	<p>858 bp</p>
Locus ID:	<p>23564</p>
UniProt ID:	<p>O95865</p>
Cytogenetics:	<p>6p21.33</p>
Domains:	<p>Amidino-transf</p>
Gene Summary:	<p>This gene encodes a dimethylarginine dimethylaminohydrolase. The encoded enzyme functions in nitric oxide generation by regulating the cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity. The protein may be localized to the mitochondria. Alternative splicing resulting in multiple transcript variants. [provided by RefSeq, Dec 2014]</p> <p>Transcript Variant: This variant (2) lacks a segment of the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p>