

Product datasheet for **SC335075**

DDAH2 (NM_001303008) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDAH2 (NM_001303008) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDAH2
Synonyms:	DDAH; DDAHII; G6a; HEL-S-277; NG30
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001303008, the custom clone sequence may differ by one or more nucleotides

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ATGGGGACGCCGGGGAGGGGCTGGGCCGCTGCCATGCCCTGATCCGGGGAGTCCCAGAGAGCCTGG
CGTCGGGGGAAGGTGCGGGGGCTGGCCTTCCCGCTCTGGATCTGGCCAAAGCTCAAAGGGAGCACGGGGT
GCTGGGAGGTAAGTAACTGAGGCAACGACTGGGGCTACAGTCTAGAACTGCCACCTGAGGAGTCATTGCCG
CTGGGACCGCTGCTTGGCGACACGGCCGTGATCCAAGGGGACACGGCCCTAATCACGCGGCCCTGGAGCC
CCGCTCGTAGGCCAGAGGTCGATGGAGTCCGCAAAGCCCTGCAAGACCTGGGGCTCCGAATTGTGGAAT
AGGAGACGAGAACGCGACGCTGGATGGCACTGACGTTCTTTCACCGGCCGGGAGTTTTTCGTAGGCCTC
TCCAAATGGACCAATCACCGAGGAGCTGAGATCGTGGCGGACACGTTCCGGGACTTCGCCGTCTCCACTG
TGCCAGTCTCGGGTCCCTCCCACCTGCGCGGTCTCTGCGGCATGGGGGGACCTCGCACTGTTGTGGCAGG
CAGCAGCGACGCTGCCAAAAGGCTGTCCGGGCAATGGCAGTGTGACAGATCACCCATATGCCTCCCTG
ACCCTCCAGATGACGACGCTGCTGACTGTCTTTCTTCGTCTGGGTTGCCTGGTGTGCCCCCTTTC
TCCTGCACCGTGGAGGTGGGATCTGCCAACAGCCAGGAGGCACTGCAGAAGCTCTCTGATGTACCCT
GGTACCTGTGCTCTCAGAACTGGAGAAGGCTGGCGCCGGGCTCAGCTCCCTCTGCTTGGTGTCTCAGC
ACACGCCCCCACAGCTGA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001303008
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001303008.1](#), [NP_001289937.1](#)

RefSeq Size: 1278 bp

RefSeq ORF: 858 bp

Locus ID: 23564

UniProt ID: [O95865](#)

Cytogenetics: 6p21.33

Gene Summary: 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]
Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.