

## Product datasheet for **SC324768**

### DDAH1 (NM\_001134445) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DDAH1 (NM_001134445) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDAH1
Synonyms:	DDAH; DDAH-1; DDAHI; HEL-S-16
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001134445 edited ATGATGAAAGAAGCATTAGAAAACTTCAGCTCAATATAGTAGAGATGAAAGATGAAAAT GCAACTTTAGATGGCGGAGATGTTTTATTACAGGCAGAGAATTTTTGTGGCCTTTCC AAAAGGACAAATCAACGAGGTGCTGAAAATCTTGGCTGATACTTTTAAGGACTATGCAGTC TCCACAGTGCCAGTGGCAGATGGTTGCATTTGAAGAGTTTCTGCAGCATGGCTGGGCCT AACCTGATCGCAATTGGGTCTAGTGAATCTGCACAGAAGGCCCTTAAGATCATGCAACAG ATGAGTGACCACCGCTACGACAACTCACTGTGCCTGATGACATAGCAGCAAAGTATCA TATCTAAATATCCCCAACAAAGGGCACGTCTTGTCTGCACCGAACCCCGGAAGAGTATCCA GAAAGTGCAAAGGTTTATGAGAACTGAAGGACCATATGCTGATCCCCGTGAGCATGTCT GAACTGGAAAAGGTGGATGGGCTGCTCACCTGCTCAGTTTTAATTAACAAGAAAGTA GACTCCTGA
Restriction Sites:	Please inquire
ACCN:	NM_001134445
Insert Size:	4000 bp
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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001134445.1.
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\\_001134445.1](#), [NP\\_001127917.1](#)

**RefSeq Size:** 4023 bp

**RefSeq ORF:** 549 bp

**Locus ID:** 23576

**UniProt ID:** [O94760](#)

**Cytogenetics:** 1p22.3

**Gene Summary:** This gene belongs to the dimethylarginine dimethylaminohydrolase (DDAH) gene family. The encoded enzyme plays a role in nitric oxide generation by regulating cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.