

Product datasheet for **SC321756**

DDAH1 (NM_012137) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDAH1 (NM_012137) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDAH1
Synonyms:	DDAH; DDAH-1; DDAHI; HEL-S-16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_012137.2
 CAAGAGGAGCCGACGGGCGCTCGCAGGCTCAGCGCGCGTGCCTCCGCGGCAGGACCCGGCC
 GCCTCCGCGCGCCGCCGCCCTAAGCCTCCCGAAGCCATGGCCGGGCTCGGCCACCC
 GCCGCCTTCGGCCGGGCCACCCACGCCGTGGTGCGGGCGCTACCCGAGTCGCTCGGCCAG
 CACGCGCTGAGAAGCGCCAAGGGCGAGGAGGTGGACGTCGCCCGCGGAACGGCAGCAC
 CAGCTCTACGTGGGCGTCTGGGCAGCAAGCTGGGGCTGCAGGTGGTGGAGCTGCCGGCC
 GACGAGAGCCTTCGGACTGCGTCTTCGTGGAGGACGTGGCCGTGGTGTGCGGAGGACG
 GCCCTCATCACCCGACCCGGGGCGCCGAGCCGGAGGAAGGAGTTGACATGATGAAAAGAA
 GCATTAGAAAACTTCAGCTCAATATAGTAGAGATGAAAGATGAAAATGCAACTTTAGAT
 GGCGGAGATGTTTTATTACAGGCAGAGAATTTTTGTGGCCTTTCCAAAAGGACAAAT
 CAACGAGGTGCTGAAATCTGGCTGATACTTTAAGGACTATGCAGTCTCCACAGTGCCA
 GTGGCAGATGGTTCATTTGAAGAGTTTCTGCAGCATGGCTGGGCTAACCTGATCGCA
 ATTGGGTCTAGTGAATCTGCACAGAAGGCCCTTAAGATCATGCAACAGATGAGTGACCAC
 CGCTACGACAAAACCTCACTGTGCCTGATGACATAGCAGCAAACCTGTATATATCTAAATATC
 CCCAACAAAGGGCACGTCTTGTGCACCGAACCCCGGAAGAGTATCCAGAAAGTGCAAAG
 GTTTATGAGAACTGAAGACCATATGCTGATCCCGTGAGCATGCTGAACTGGAAAAG
 GTGGATGGGCTGCTCACCTGCTGCTCAGTTTTAATTAACAAGAAAAGTAGACTCCTGAGCT
 GCAGAGTCCCCCGGTAGCCGGCAAGACCCGCACAGGCAAGGCCGATGACTCTGTGCCCA
 CTCCTGTTGTTTTCTTGACAATCTGATTCAATTTAGTTAAAGGATGATATAGAGAAAAT
 ACATTATTTAGCATTATTTCTTCAGCTATAATGAATTGCTATAGAAAACAGGCAGATCTT
 TCTAATGTGATTGATTGGTCTTTTCAGCTACTCTGAACAGATTACTAAGGCCATCTCCT
 CATCTCTAAGGGAGAAAAATAGTCTGTAGATGAATAATGTAAGGTAAGAGTTGCATGTC
 AGTCTTTGTAATTATTTACACTTTAACTTTCTCCAGAACTCAGACATGATTTCAACATGG
 TGTAGATTTGTGCAATTTATTTTCTGACCACCTCATTCCAGCCAATGTATGGTTATCC
 ACTCTGTGTGCCAAAACCAATCATGCCTTTACGGCCCTTTAGTTGAGAGAAAGTTCTGCA
 CTGATTTTTAGTCTTTGATGTCTCAATCTTACATGTATACCAATCACAATGGAATAAAG
 TGTGAGTTGACTGTGAA
 AA
 AAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_012137
- 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:** 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.
- 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_012137.2](#), [NP_036269.1](#)

RefSeq Size: 3949 bp

RefSeq ORF: 858 bp

Locus ID: 23576

UniProt ID: [O94760](#)

Cytogenetics: 1p22.3

Domains: Amidinotransf

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 (1) encodes the longest isoform (1).