

Product datasheet for **RC207548**

DDAH1 (NM_012137) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|-------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | DDAH1 (NM_012137) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | DDAH1 |
| Synonyms: | DDAH; DDAH-1; DDAHI; HEL-S-16 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC207548 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGCTCGGCCACCCCGCCCTTCGGCCGGGCCACCCACGCCGTGGTGCGGGGCTACCCGAGT
CGCTCGGCCAGCACGCGCTGAGAAGCGCCAAGGGCGAGGAGGTGGACGTCGCCCGCGGGAACGGCAGCA
CCAGCTCTACGTGGGCGTCTGGCAGCAAGCTGGGGCTGCAGGTGGTGGAGCTGCCGGCCGACGAGAGC
CTTCCGGACTGCGTCTTCGTGGAGGACGTGGCCGTGGTGTGCGAGGAGACGGCCCTCATACCCGACCCG
GGGCGCCGAGCCGAGGAAGGAGTTGACATGATGAAAGAAGCATTAGAAAACTTCAGTCAATATAGT
AGAGATGAAAGATGAAAATGCAACTTTAGATGGCGGAGATGTTTTATTACAGGCAGAGAATTTTTGTG
GGCCTTCCAAAAGGACAAATCAACGAGGTGCTGAAATCTGGCTGATACTTTAAGGACTATGCAGTCT
CCACAGTGCCAGTGGCAGATGGGTTGCATTTGAAGAGTTTCTGCAGCATGGCTGGGCCTAACCTGATCGC
AATTGGGTCTAGTGAATCTGCACAGAAGGCCCTTAAGATCATGCAACAGATGAGTGACCACCGCTACGAC
AACTCACTGTGCCTGATGACATAGCAGCAAAGTATATATCTAAATATCCCAACAAAGGGCAGCTCT
TGCTGCACCGAACCCGGAAGAGTATCCAGAAAGTGCAAAGGTTTATGAGAACTGAAGGACCATATGCT
GATCCCGTGAGCATGTCTGAACTGAAAAGGTGGATGGGCTGCTCACCTGCTGCTCAGTTTTAATTAAC
AAGAAAGTAGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_012137.4](#)

RefSeq Size: 3991 bp

RefSeq ORF: 858 bp

Locus ID: 23576

UniProt ID: [O94760](#)

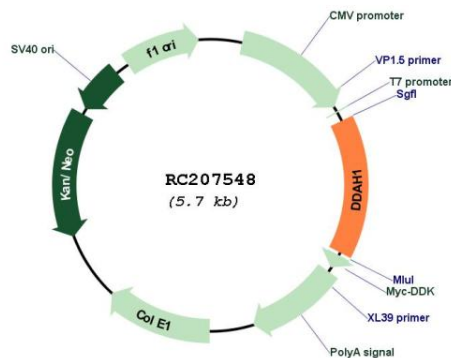
Cytogenetics: 1p22.3

Domains: Amidinotransf

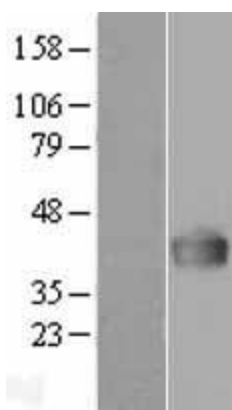
MW: 31.1 kDa

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]

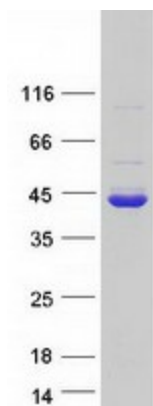
Product images:



Circular map for RC207548



Western blot validation of overexpression lysate (Cat# [LY402166]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207548 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DDAH1 protein (Cat# [TP307548]). The protein was produced from HEK293T cells transfected with DDAH1 cDNA clone (Cat# RC207548) using MegaTran 2.0 (Cat# [TT210002]).