

Recombinant Human DDAH2, His-tagged

Cat. No. DDAH2-26260TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 71-261 of Human DDAH2 with N terminal His tag; MWt 22kDa.
Species	Human
Source	E.coli
ProteinLength	71-261 a.a.
Description	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.
Conjugation	HIS
Tissue specificity	Detected in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas, and at very low levels in brain.
Form	Lyophilised:Reconstitute with 53 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids	LGPLLGD TAVIQGDTALITRPWSPARRPEVDGVRKALQDL GLRIVEIGDENATLDGT DVLFTGREFFVGLSKWTNHRG AEIVADTFRDFAVSTVPVSGPSHLRGLCGMGGPR TVVA GSSDAAQKAVRAMAVLTDHPYASLTLPDDAAADCLFLR PGLPGVPPFLLHR GGGDLPNSQEALQKLSDVTLVPVS
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Sequence Similarities	Belongs to the DDAH family.
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GENE INFORMATION

Gene Name	DDAH2 dimethylarginine dimethylaminohydrolase 2 [Homo sapiens]
Official Symbol	DDAH2
Synonyms	DDAH2; dimethylarginine dimethylaminohydrolase 2; N(G),N(G)-dimethylarginine dimethylaminohydrolase 2;
Gene ID	23564
mRNA Refseq	NM_013974
Protein Refseq	NP_039268
MIM	604744
Uniprot ID	O95865
Chromosome Location	6p21
Function	amino acid binding; catalytic activity; dimethylargininase activity; hydrolase activity; protein binding;

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