DDAH1 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	DDAH1, Lysate
Full Product Name	Human DDAH1 Protein Lysate
Product Gene Name	DDAH1 lysate
Product Synonym Names	DDAH1; DDAH; HEL-S-16; DDAH-1; DDAHI
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	33.5 kDa (308aa) confirmed by MALDI-TOF
OMIM	604743
3D Structure	ModBase 3D Structure for O94760
Related Product Information for DDAH1 lysate	Human DDAH1 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of DDAH1 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DDAH1 purchase	MBS8410349 is a lysate targeting DDAH1. Also known as Human DDAH1 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDAH1. It may not necessarily be applicable to this product.

NCBI GI #	6912328
NCBI GeneID	23576
NCBI Accession #	NP_036269
UniProt Primary Accession #	O94760
UniProt Secondary Accession #	Q5HYC8; Q86XK5
UniProt Related Accession #	O94760
GenBank Nucleotide #	NM_012137
NCBI Official Full Name	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1 isoform 1
NCBI Official Synonym Full Names	dimethylarginine dimethylaminohydrolase 1
NCBI Official Symbol	DDAH1
NCBI Official Synonym Symbols	DDAH; DDAHI; DDAH-1; HEL-S-16
UniProt Protein Name	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1
UniProt Synonym Protein Names	DDAHI; Dimethylargininase-1

Protein Family	N(G),N(G)-dimethylarginine dimethylaminohydrolase
UniProt Gene Name	DDAH1
UniProt Synonym Gene Names	DDAH; DDAH-1; Dimethylarginine dimethylaminohydrolase 1
UniProt Entry Name	DDAH1_HUMAN
NCBI Protein Information	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1
NCBI Summary for DDAH1	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]
UniProt Comments for DDAH1	DDAH1: Hydrolyzes N(G),N(G)-dimethyl-L-arginine (ADMA) and N(G)-monomethyl-L-arginine (MMA) which act as inhibitors of NOS. Has therefore a role in the regulation of nitric oxide generation. Belongs to the DDAH family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.5.3.18; Hydrolase Chromosomal Location of Human Ortholog: 1p22 Cellular Component: mitochondrion Molecular Function: amino acid binding; dimethylargininase activity; metal ion binding; catalytic activity Biological Process: positive regulation of angiogenesis; positive regulation of nitric oxide biosynthetic process; citrulline metabolic process; regulation of systemic arterial blood pressure; arginine catabolic process; nitric oxide mediated signal transduction
Research Articles on DDAH1	**1.** Results confirmed DDAH1 3'-UTR as a target for miR-21, and endogenous miR-21 showed increased inhibitory effect on DDAH1-V3 transcript.
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