

Recombinant Human DDAH1, His-tagged

Cat. No. DDAH1-2846H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human DDAH1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW = 33.5 kDa (308aa) confirmed by MALDI-TOF.
Species	Human
Source	E.coli
Description	Dimethylarginine dimethylaminohydrolase 1, also known DDAH1, belongs to the dimethylarginine dimethylaminohydrolase gene family. The DDAH1 plays a role in nitric oxide generation by regulating cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity. Impairment of DDAH1 causes ADMA (asymmetric dimethylarginine) accumulation and a reduction in cGMP generation.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MGSMAGLGHP AAFGRATHAV VRALPESLGQ HALRSAKGEE VDVARAERQH QLYVGVLGSK LGLQVVLPV DESLPDCVFV EDVAVVCEET ALITRPGAPS RRKEVDMME ALEKLQLNIV EMKDENATLD GGDVLFTGRE FFGVLSKRTN QRGAEILADT FKDYAVSTVP VADGLHLKSF CSMAGPNLIA IGSSESAQKA LKIMQQMSDH RYDKLTVPDD IAANCIYLN PNKGHVLLHR TPEEYPESAK VYEKLKDHML IPVSMSELEK VDGLLTCCSV LINKKVDS
Purity	> 95% by SDS – PAGE.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM

 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

	NaCl.
Concentration	1 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	DDAH1 dimethylarginine dimethylaminohydrolase 1 [Homo sapiens]
Synonyms	DDAH1; dimethylarginine dimethylaminohydrolase 1; DDAH; FLJ21264; FLJ25539; N(G),N(G)-dimethylarginine dimethylaminohydrolase 1; DDAHI; DDAH-1; dimethylargininase-1; NG, NG-dimethylarginine dimethylaminohydrolase; EC 3.5.3.18
Gene ID	23576
mRNA Refseq	NM_001134445
Protein Refseq	NP_001127917
MIM	604743
UniProt ID	O94760
Chromosome Location	1p22
Function	catalytic activity; dimethylargininase activity; hydrolase activity; metal ion binding

