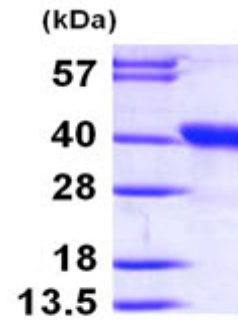


AR09693PU-L**Human DDAH1 (1-285, His-tag) - Purified**

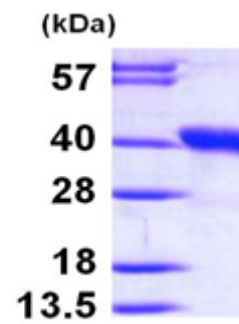
Alternate names:	DDAH, DDAH-1, DDAHI, Dimethylargininase-1, Dimethylarginine dimethylaminohydrolase 1, N(G), N(G)-dimethylarginine dimethylaminohydrolase 1
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	Dimethylarginine dimethylaminohydrolase 1, also known DDAH1, 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.
Uniprot ID:	O94760
NCBI:	NP_036269
GeneID:	23576
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl
Description:	Recombinant human DDAH1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> SSGLVPRGSH MGSMAAGLGH P AAFGRATHAV VRALPESLGQ HALRSAGGEE VDVARAERQH QLYVGVLGSK LGLQVVELPA DESLPDCV FV EDVAVVCEET ALITRPGAPS RRKEVDMME ALEKLQLNIV EMKDENATLD GGDVLF TGRE FFVGLSKRTN QRGAEILADT FKDYAVSTVP VADGLHLKSF CSMAGPNLIA IGSSESAQKA LKIMQQMSDH RYDKLTPVDD IAANCIYLN I PNKGHVLLHR TPEEYPESAK VYEKLKDHML IPVSMSELEK VDGLLTCCSV LINKKVDS Molecular weight: 33.5 kDa (308aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Leiper J., et al. (2002) J Biol Chem. 276:40449-40456.

Pictures:

Recombinant human DDAH1, 1- 285 aa,
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)