

**DDAH1, 1-285aa, Human, His tag, E.coli**

**Cat.NO.: TP01850**

---

3th Edition

**Synonyms:**Dimethylarginine dimethylaminohydrolase 1, DDAH, DDAHI, Dimethylargininase-1

**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol, 50mM NaCl

**Molecular Weight:**33.5 kDa (308aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMAGLGHAAAFGRATHAVVRALPESLGQHALRSAKGEEVDVARAERQHQLY  
VGVLGSKLGLQVVELPADESLPDCVFVEDVAVVCEETALITRPGAPSRRKEVDMMEALEKLQLNIVEMKDENATL  
DGGDVLFTGREFFVGLSKRTNQRGAELADTFKDYAVSTVPVADGLHLKSFCSMAGPNLIAIGSSESAQKALKIMQQ  
MSDHRYDKLTPDDIAANCIYLNIPNKGHVLLHRTPEEYPESAKVYEKLDHMLIPVSMSELEKVDGLLTCCSVLINK  
KVDS

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.