

## 32-2260: DDAH1 Recombinant Protein

**Alternative Name :** DDAH,DDAH-1,Dimethylargininase-1,dimethylargininase-1,Dimethylarginine Dimethylaminohydrolase 1.

### Description

Source : Escherichia Coli. DDAH1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 308 amino acids (1-285a.a.) and having a molecular mass of 33.5kDa.DDAH1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dimethylarginine dimethylaminohydrolase 1, is a part of the Dimethylarginine Dimethylaminohydrolase gene family. DDAH1 participates in nitric oxide generation by regulating cellular concentrations of methylarginines, that in turn inhibit nitric oxide synthase activity. Deficiency of DDAH1 results in ADMA (asymmetric dimethylarginine) increase and a decrease in cGMP generation.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The DDAH1 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 1mM DTT, 50mM NaCl and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSMAGLGHP AAFGRATHAV VRALPESLGQ HALRSAKGEE  
 VDVARAERQH QLYVGVLGSK LGLQVVELPA DESLPDCVFV EDVAVVCEET ALITRPGAPS RRKEVDMME  
 ALEKLQLNIV EMKDENATLD GGDVLFTGRE FFGVLSKRTN QRGAEILADT FKDYAVSTVP VADGLHLKSF  
 CSMAGPNLIA IGSSESAQKA LKIMQQMSDH RYDKLTPDD IAANCIYLN I PNKGHVLLHR TPEEYPESAK  
 VYEKLKDHML IPVSMSELEK VDGLLTCCSV LINKKVDS

