

## DDAH1 Human

**Description:**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.

**Catalog #:**ENPS-021

For research use only.

**Synonyms:**DDAH, DDAH-1, Dimethylargininase-1, dimethylargininase-1, Dimethylarginine Dimethylaminohydrolase 1.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMAGLGHP AAFGRATHAV  
VRALPESLGQ HALRSAKGEV VDVARAERQH QLYVGVLGSK LGLQVVELPA DESLPDCVFV  
EDVAVVCEET ALITRPGAPS RRKEVDMME ALEKLQLNIV EMKDENATLD GGDVLFTGRE  
FFVGLSKRTN QRGAEILADT FKDYAVSTVP VADGLHLKSF CSMAGPNLIA IGSESQAQKA  
LKIMQQMSDH RY

**Purity:**Greater than 95% as determined by SDS-PAGE.

### Formulation:

The DDAH1 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH 8.0) 1mM DTT, 50mM NaCl and 10% glycerol.

### Stability:

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.

### Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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 inADMA (asymmetric dimethylarginine) increase and a decrease in cGMP generation.

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