Active Recombinant Human DDAH1 Protein, Met & His-tagged

Cat. No. DDAH1-1063H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDAH1 (Accession # O94760) Ala2-Ser285, fused with an N-terminal Met and 6-His tag, was produced in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala2-Ser285
Predicted N Terminal	Inconclusive result, Met predicted. Protein identity confirmed by MS analysis of tryptic fragments.
Form	Supplied as a 0.2 μm filtered solution in Tris, NaCl, Glycerol and DTT.
Bio-activity	Measured by its ability to hydrolyze asymmetric dimethylarginine to L-citrulline and dimethylamine.The specific activity is >75 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human DDAH1, Met & His-tagged has a calculated MW of 32 kDa. In SDS-PAGE migrates as 38 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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	lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).
Reconstitution	Reconstitute at 100 g/mL in 100 mM acetic acid containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	DDAH1 dimethylarginine dimethylaminohydrolase 1 [Homo sapiens]
Official Symbol	DDAH1
Synonyms	DDAH1; dimethylarginine dimethylaminohydrolase 1; N(G),N(G)-dimethylarginine dimethylaminohydrolase 1; DDAH; DDAHI; DDAH-1; dimethylargininase-1; NG, NG-dimethylarginine dimethylaminohydrolase; FLJ21264; FLJ25539;
Gene ID	23576
mRNA Refseq	NM_001134445
Protein Refseq	NP_001127917
MIM	604743
UniProt ID	O94760
Chromosome Location	1p22

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