

Agmatine deiminase (AIH), Recombinant Protein

Cat *RP00323*

Size 0.02 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg (*E-Coli*)/ 0.1 mg
(*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 0.1

mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 1 mg (*Yeast*)/ 0.1 mg
(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Species *Arabidopsis thaliana* (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Agmatine deiminase (AIH)

Product Gene Name

AIH recombinant protein

Product Synonym Gene Name

AIH

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MEESRESPAE HGYMPAEWD SHAQTWIGWP ERQDNWRHNA LPAQRVFADV AKAISKFEPV TVCASPAQWE
NARKQLPEDI RVVEMSMNDS WFRDSGPTFI VRKRPVKLSS LNRNIAGIDW NFNAWGGAND GCYNDWSHDL
LVSRKILALE RIPRFQHSMI LEGGSIHVDG EGTCLVTEEC LLNKNRNPBM SKEQIEEELK KYLGVQSFIW
LPRGLYGDDE TNGHIDNMCC FARPGVLLS WTDDETDPQY ERSVEALSVL SNSIDARGRK IQVIKLYIPE
PLYMTEEESS GITQDGEAIP RLAGTRLAAS YVNFYIANGG IAPQFGDPI RDKEAIRVLS DTFPHHSVVG
IENAREIVLA GGNHCITQQ QPAEPTSVAE NGH

Sequence Positions

1-383, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or *Yeast* or *Baculovirus* or *Mammalian Cell*

Molecular Weight

43,155 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week.
Repeated freezing and thawing is not recommended.

NCBI Accession

NP_196434.1

NCBI GI

15241536

NCBI GenBank Nucleotide

NM_120900.6

NCBI GeneID

830713

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)
porphyromonas-type peptidyl-arginine deiminase family protein

NCBI Official Symbol

EMB1873

NCBI Official Synonym Symbols

AGMATINE IMINOHYDROLASE; ATAIH; EMBRYO DEFECTIVE 1873; T22D6.110; T22D6_110

NCBI Protein Information

porphyromonas-type peptidyl-arginine deiminase family protein

UniProt Gene Name

AIH

UniProt Synonym Gene Names

EMB1873

UniProt Protein Name

Agmatine deiminase

UniProt Synonym Protein Names

Agmatine iminohydrolase; Protein EMBRYO DEFECTIVE 1873

UniProt Primary Accession

Q8GWW7

UniProt Secondary Accession

Q94IC7; Q9LEZ0

UniProt Related Accession

Q8GWW7

UniProt Comments

Mediates the hydrolysis of agmatine into N-carbamoylputrescine in the arginine decarboxylase (ADC) pathway of putrescine biosynthesis, a basic polyamine.

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