

Recombinant Mycoplasma Arginine Deiminase (ADI)
Catalog # PBG10023**Specification**

Recombinant Mycoplasma Arginine Deiminase (ADI) - Product Information**Recombinant Mycoplasma Arginine Deiminase (ADI) - Additional Information****Description**

Arginine Deiminase (ADI) is a microbial enzyme from Mycoplasma produced in E.coli. It has high affinity to L-arginine and hydrolyzes L-arginine to citrulline and ammonia. Low concentrations of ADI have been shown to inhibit proliferation in certain cultured cells by arresting the cell cycle in G (1) and/or S phase. Higher concentrations of ADI lead to subsequent apoptosis. Recombinant Mycoplasma Arginine Deiminase is a 46.3 kDa protein consisting of 409 amino acids.

Biological Activity

Measured by its ability to induce apoptosis in Jurkat cells using a concentration of 100-150 ng/ml.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Mycoplasma Arginine Deiminase (ADI) is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Mycoplasma Arginine Deiminase (ADI) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Recombinant Mycoplasma Arginine Deiminase (ADI) - Images