

## Mycoplasma Arginine Deiminase (ADI), Recombinant Protein

<b>CATALOG NO:</b>	P1278-5, 20      5 µg, 20 µg
<b>ALTERNATE NAMES:</b>	Arginine deiminase, ADI, Arginine dihydrolase, AD, Mycoplasma Arginine Deiminase
<b>SOURCE:</b>	E.coli
<b>PURITY:</b>	≥ 97% by SDS-PAGE gel and HPLC analyses
<b>MOL. WEIGHT:</b>	46.3 kDa
<b>FORM:</b>	Lyophilized powder or in aqueous solution
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>BIOLOGICAL ACTIVITY:</b>	Measured by its ability to induce apoptosis in Jurkat cells using a concentration of 100-150 ng/ml
<b>RECONSTITUTION:</b>	Reconstitute in water to a concentration of 0.1–1.0 mg/ml
<b>DESCRIPTION:</b>	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 G1 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.

### RELATED PRODUCTS:

- AMI-1 (**Cat. No. 1943**)
- Mycoplasma DNA Kit (**Cat. No. K1416**)
- GSK-484 hydrochloride (**Cat. No. B1035**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**