

## 32-20014: Recombinant Mycoplasma Arginine Deiminase(Discontinued)

**Alternative Name :** ADI

### Description

**Source: E.coli**

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.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity:  $\geq$  97% by SDS-PAGE gel and HPLC analyses.

**Amino Acid :** SVFDSKFKGI HVYSEIGELE SVLVHEPGRE IDYITPARLD ELLFSAILES HDARKEHKQF VAEKANDIN  
VVELIDLVAE TYDLASQEAK DKLIEEFLED SEPVLSEEHK VVVRNFLKAK KTSRELVEIM MAGITKTDLG  
IEADHELIVD PMPNLYFTRD PFASVGNVT IHYMRKVRQ RETLFSRFVF SNHPKLINTP WYYDPSLKLS  
IEGGDVFIYN NDTLVVGVSE RTDLQVTLL AKNIVANKEC EFKRIVAINV PKWTNLMHLD TWLMLDKDK  
FLYSPIANDV FKFWDYDLVN GGAEPQPVEN GLPLEGLLQS IINKKPVLP IAGEGASQME IERETHFDGT  
NYLAIRPGVV IGYSRNEKTN AALEAAGIKV LPFHGNQLSL GMGNARCMMS PLSRKDVKW

### Application Note

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