

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 VAELKANDIN
VVELIDLVAE TYDLASQEAQ DKLIEEFLED SEPVLSEEHK VVVRNFLKAK KTSRELVEIM MAGITKTDLG
IEADHELIVD PMPNLYFTRD PFASVGNVGT IHYMRKVRQ RETLFSRFVF SNHPKLINTP WYYDPSLKLS
IEGGDVFIYN NDTLVVGVSE RTDLQTVTLL AKNIVANKEC EFKRIVAINV PKWTNLMHLD TWLTMLDKDK
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.