

Active Recombinant Mycoplasma Arginine Deiminase

Cat. No. ADI-1364M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mycoplasma Arginine Deiminase is a 46.3 kDa protein consisting of 409 amino acids was expressed in E. coli.
Species	Mycoplasma
Source	E.coli
Description	This enzyme belongs to the family of hydrolases, those acting on carbon-nitrogen bonds other than peptide bonds, specifically in linear amidines. The systematic name of this enzyme class is L-arginine iminohydrolase. Other names in common use include arginine dihydrolase, citrulline iminase, and L-arginine deiminase. This enzyme participates in arginine and proline metabolism. This enzyme is widely expressed in bacteria, including streptococcus and actinomyces. The bacterial arginine deiminase expression could be regulated by various environmental factors.
Bio-activity	Measured by its ability to induce apoptosis in Jurkat cells using a concentration of 100-150 ng/ml.
Molecular Mass	46.3 kDa
AA Sequence	SVFDSKFKGIHVYSEIGELESVLVHEPGREIDYITPARLDELLFSAILESHDARKEHKQ FVAELKANDINVVELIDLVAETYDLASQEAKDKLIEEFLEDSEPVLSEEHKVVVRNFLK AKKTSRELVEIMMAGITKTDLGIEADHELIVDPMPNLYFTRDPFASVGNVGTIHYMR KVRQRETLSRFVFSNHPKLINTPWYYDPSLKLSIEGGDVFIYNNDTLVVGVSERTDL QTVTLLAKNIVANKECEFKRIVAINVPKWNTLMHLDTWLMLDKDKFLYSPIANDVFK

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FWDYDLVNGGAEPQPVENGLPLEGLLQSIINKKPVLIPIAGEGASQMEIERETHFDGT
NYLAIRPGVVIGYSRNEKTNAALEAAGIKVLPFHGNQLSLGMGNARCMSMPLSRKDV
KW

Purity ≥ 97% by SDS-PAGE gel and HPLC analyses.

Notes Not for human use.

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