

Arginine Deiminase (ADI) Active Protein | ADI active protein

Mycoplasma Arginine Deiminase (ADI)

CATALOG # AAA79254	HOST E Coli
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PRODUCT SYNONYMS

Arginine Deiminase (ADI); Mycoplasma Arginine Deiminase (ADI); ADI; ADI active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 98% by SDS-PAGE & HPLC analysis
Form/Format	Lyophilized from 2mM Sodium Phosphate, pH7.5 + 0.2mM DTT
Sequence	SVFDSKFKGI HVYSEIGELE SVLVHEPGRE IDYITPARLD ELLFSAILES HDARKEHKQF VAEKANDIN VVELIDLVAE TYDLASQEAK DKLIEEFLED SEPVLSEEHK VVVRNFLKAK KTSRELVEIM MAGITKTDLG IEADHELIVD PMPNLYFTRD PFASVGNVGT IHYMRVKVRQ RETLFSRFVF SNHPKLINTP WYYDPSLKLS IEGGDVFIYN NDTLVVGVS RTDLQTVTLL AKNIVANKEC EFKRIVAINV PKWTNLMHLD TWLTMLDKDK FLYSPIANDV FKFDYDLVN GGAEPQPVEN GLPLEGLLS IINKKPVLP IAGEGASQME IERETHFDGT NYLAIRPGVV IGYSRNEKTN AALEAAGIKV LPFHGNQLSL GMGNARCMSM PLSRKDVKW
Sequence Length	409
Endotoxin level	< 0.1 ng /ug of protein (<1EU/ug).
Biological Activity	Measured by its ability to induce apoptosis in Jurkat cells using a concentration of 100-150 ng/ml.
Protein RefSeq	CAA38080.1
mRNA RefSeq	AF182646.1
Reconstitution	Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8 degree C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20 degree C to -80 degree C.
Preparation and Storage	The lyophilized protein is stable at room temperature for 1 month and at 4 degree C for 3 months. Reconstituted working aliquots are stable for 1 week at 2 degree C to 8 degree C and for 3 months at -20 degree C to -80 degree C.

ADDITIONAL INFORMATION

Related Product Information for ADI active protein	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.
Product Categories/Family for ADI active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	728875
UniProt Accession #	P23793

Molecular Weight	46.3kDa
NCBI Official Full Name	Arginine deiminase
UniProt Protein Name	Arginine deiminase
UniProt Gene Name	arcA
UniProt Synonym Gene Names	ADI; AD
UniProt Entry Name	ARCA_MYCAR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/arginine-deiminase-adi/79254>