

# Recombinant Arginine Decarboxylase (ADC) Instruction Manual

## SIPG960Mu01

### Mus musculus (Mouse)

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Nucleus
<b>Predicted Molecular Mass</b>	44.9kDa
<b>Accurate Molecular Mass</b>	45kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Val382 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 95%
<b>Isoelectric Point</b>	5.7
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

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MAGYLSSEDF VMVEEGFSTR DLLEELTLGA SQATSGKVAA FFVADLGAVV RKHFCFLKH LPRVRPFYAV GCNSSLGVLK  
VLAELGLGFS CANKAEMELV QHIGVPASK IICANPCKQV AQIKYAAKHG VRLLSFDNEV ELAKVVKSHP SAKMVLZIA  
TQDSHSLNHL SLRFGASLKS CRHLLNAKK SHVEVVGVSF HIGSGCPDP QAYAQSIADA RLVFQMGEEL GHTMNILDLG  
GGFPGLEGAK VRFEEMASV INSALDLYFP EGCGVDILAE LGRYYVTSAF TVAVSIVAKR EVLDQASRE EQTGAAPKSI  
VYYLDEGVYV VFNSVLFNT CTPALQKKP SADQPLYSS SLWGPAVEGC DCVAEGLWLP QLQVGDWLV
```

### USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

### STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

## **STABILITY**

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## **Image**

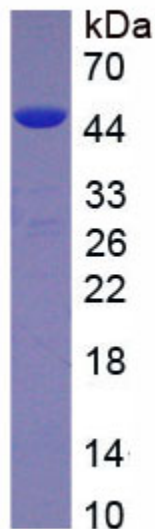


Figure. SDS-PAGE

## **[IMPORTANT NOTE]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.