

# Recombinant Uncoupling Protein 3, Mitochondrial (UCP3) Instruction Manual

## SIPF810Mu01

### 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>	Secreted
<b>Predicted Molecular Mass</b>	37.6kDa
<b>Accurate Molecular Mass</b>	38kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met1~Phe308 with N-terminal His Tag
<b>Buffer Formulation</b>	100mMNaHCO <sub>3</sub> , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	9.6
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

### SEQUENCE

MVGLQPSEVP PTTVVKFLGA GTAACFADLL TFPLDTAKVR LQIQGENPGA  
QSVQYRGVLG TILTMVRTEG PRSPYSGLVA GLHRQMSFAS IRIGLYDSVK  
QFYTPKGADH SSVAIRILAG CTTGAMAVTC AQPTDVVKVR FQAMIRLGTG  
GERKYRGTMD AYRTIAREEG VRGLWKGTWP NITRNAIVNC AEMVTYDIIK  
EKLLSHLFT DNFPCHFVSA FGAGFCATVV ASPVDVVKTR YMNAPLGRYR  
SPLHCMLKMV AQEGPTAFYK GFVPSFLRLG AWNVMFVTV EQLKRALMKV  
QVLRESPF

### USAGE

Reconstitute in ddH<sub>2</sub>O 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

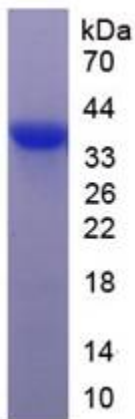


Figure. SDS-PAGE

### **[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.