

Recombinant Uncoupling Protein 3, Mitochondrial (UCP3) Instruction Manual

SIPF810Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Mitochondrion
Predicted Molecular Mass	37.9kDa
Accurate Molecular Mass	38kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Phe312 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	9.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
MVGLKPSDVP PTMAVKFLGA GTAACFADLV TFPLDTAKVR LQIQGENQAV  
QTARLVQYRG VLGITLTMVR TEGPCSPYNG LVAGLQRQMS FASIRIGLYD  
SVKQVYTPKG ADNSSLTTRI LAGCTTGAMA VTCAQPTDVV KVRFAQSIHL  
GPSRSDRKYS GTMDAYRTIA REEGVRGLWK GTLPNIMRNA IVNCAEVVTY  
DILKEKLLDY HLLTDNFPCH FVSAFGAGFC ATVVASPDV VKTRYMNSPP  
GQYFSPLDLCK IKMVAQEGPT AFYKGFPSF LRLGSWNVVM FVTYEQLKRA  
LMKVQMLRES PF
```

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

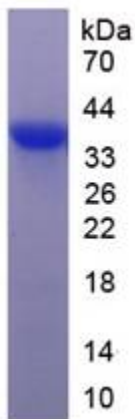


Figure. SDS-PAGE

[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.