

**RPC586Ra01 100µg**  
**Recombinant Uncoupling Protein 2, Mitochondrial (UCP2)**  
**Organism Species: Rattus norvegicus (Rat)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

## [ PROPERTIES ]

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Leu99~Cys216

**Tags:** N-terminal His-Tag

**Tissue Specificity:** Heart, Lung, Spleen.

**Subcellular Location:** Mitochondrion inner membrane; Multi-pass membrane protein.

**Purity:** >92%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 9.0

**Predicted Molecular Mass:** 14.0kDa

**Accurate Molecular Mass:** 14kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** 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.

**[ SEQUENCE ]**

DSVKQFYTKG SEHAGIGSRL LAGSTTGALA VAVAQPTDVV KVRFAQARA LY  
GGRRYQSTV EAYKTIAREE GIRGLWKGTS PNVARNAIVN CTELVTYDLI  
KDTLLKANLM TDDLPC

**[ IDENTIFICATION ]**

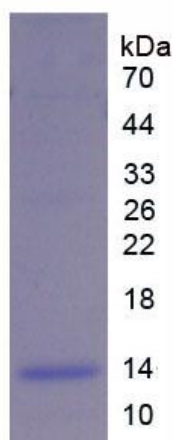


Figure 1. SDS-PAGE