

**RPH430Hu01 50µg**

**Recombinant Pyruvate Carboxylase (PC)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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13th Edition (Revised in Aug, 2023)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression

**Host:** *E.coli*

**Residues:** Pro36~Glu486

**Tags:** N-terminal His Tag

**Subcellular Location:** Mitochondrion

**Purity:** > 90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

**Original Concentration:** 500µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

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

**Predicted isoelectric point:** 6.2

**Predicted Molecular Mass:** 53.6kDa

**Accurate Molecular Mass:** 54/30kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in 10mM PBS (pH7.4) 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.

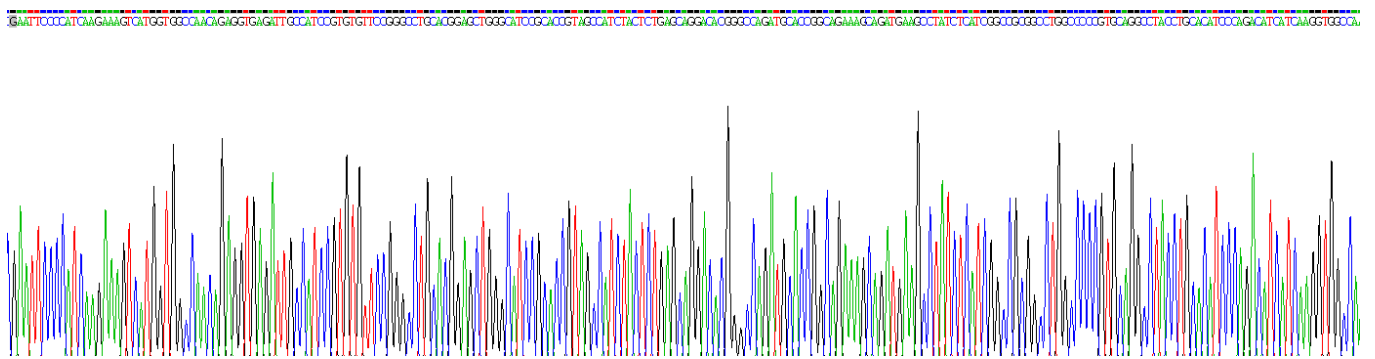
Aliquot and store at -80°C for 12 months.

**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 ]**

|            |            |            | PIKKV      | MVANRGEIAI |
|------------|------------|------------|------------|------------|
| RVFRACTELG | IRTVAIYSEQ | DTGQMHRQKA | DEAYLIGRGL | APVQAYLHIP |
| DIIKVAKENN | VDAVHPGYGF | LSERADFAQA | CQDAGVRFIG | PSPEVVRKMG |
| DKVEARAI   | AAGVPVVP   | DAPITSLHEA | HEFSNTYGFP | IIFKAAYGGG |
| GRGMRVVHSY | EELEENYTRA | YSEALAAFGN | GALFVEKFIE | KPRHIEVQIL |
| GDQYGNILHL | YERDCSIQRR | HQKVVEIAPA | AHLDPQLRTR | LTSDSVKLAK |
| QVGYENAGTV | EFLVDRHGKH | YFIEVNSRLQ | VEHTVTEEIT | DVDLVHAQIH |
| VAEGRSLPDL | GLRQENIRIN | GCAIQCRVTT | EDPARSFQPD | TGRIEVFRSG |
| EGMGIRLDNA | SAFQGAVIS  | HYDSLLVKVI | AHGKDHTAA  | TKMSRALAEF |
| RVRGVKTNIA | FLQNVLNQQ  | FLAGTVDTQF | IDENPE     |            |

**[ IDENTIFICATION ]**



### Figure . Gene Sequencing (extract)

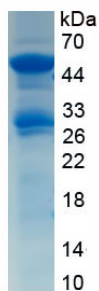


Figure. SDS-PAGE

**[ 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.