

Recombinant Pyruvate Carboxylase (PC) Instruction Manual

SIPH774Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Mitochondrion
Predicted Molecular Mass	53.6kDa
Accurate Molecular Mass	54kDa(Analysis of differences refer to the manual)
Residues & Tags	Pro36~Glu486 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	6.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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PIKKV MVANRGEIAI
RVFRACTELG IRTVAIYSEQ DTGQMHRQKA DEAYLIGRGL APVQAYLHIP
DIIKVAKENN VDAVHPGYGF LSERADFAQA CQDAGVRFIG PSPEVVRKMG
DKVEARIAIAI AAGVPVVPGT DAPITSLHEA HEFSNTYGF IIFKAAYGGG
GRGMRVVHSY EELEENYTRA YSEALAAFNG GALFVEKFIE KPRHIEVQIL
GDQYGNILHL YERDCSIQRR HQKVVEIAPA AHLDPQLRTR LTSDSVKLAK
QVGYENAGTV EFLVDRHGKH YFIEVNSRLQ VEHTVTEEIT DVDLVHAQIH
VAEGRSLPDL GLRQENIRIN GCAIQCRVTT EDPARSFQPD TGRIEVFRSG
EGMGIRLDNA SAFQGAIVIS HYDSSLVKVI AHGKDHTAA TKMSRALAEF
RVRGVKTNIA FLQNVLNNQQ FLAGTVDTQF IDENPE
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

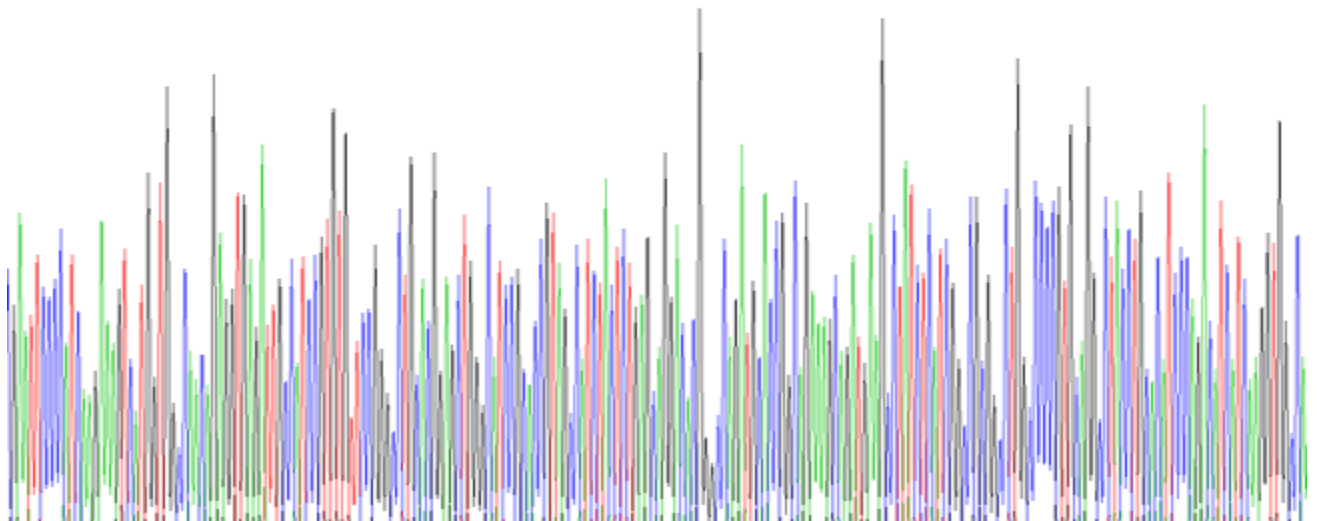
STORAGE

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



SDS-PAGE Image

[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.