

RPQ116Hu01 200µg

Recombinant Circadian Locomoter Output Cycles Protein Kaput (CLOCK)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ala34~Ala379

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Cytoplasm

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 1mM DTT, 5% Trehalose and Proclin300.

Original Concentration: 150µg/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: 6.7

Predicted Molecular Mass: 44.0kDa

Accurate Molecular Mass: 44&22kDa 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]

AKRVS RN KSEKRRDQF
 NVLIKELGSM LPGNARKMDK STVLQKSIDF LRKHKEITAQ SDASEIRQDW
 KPTFLSNEEF TQLMLEALDG FFLAIMTDGS IIYVSESVTS LLEHLPSDLV
 DQSIFNFIPE GEHSEVYKIL STHLLESDSL TPEYLKSKNQ LEFCCHMLRG
 TIDPKEPSTY EYVKFIGNFK SLNSVSSSAH NGFEGTIQRT HRPSYEDRVC
 FVATVRLATP QFIKEMCTVE EPNEEFTSRH SLEWKFLFLD HRAPPIIGYL
 PFEVLGTSGY DYYHVDDLEN LAKCHEHLMQ YGKGKSCYYR FLTkgqQWIW
 LQTHYYITYH QWNSRPEFIV CTHTVVSYA

[IDENTIFICATION]

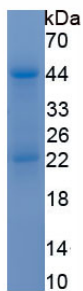


Figure. SDS-PAGE

[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.