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Recombinant Circadian Locomoter Output Cycles Protein Kaput (CLOCK)

Catalog Number: SIPQ074Hu01 **Spec: 200ug**

Product Name	Recombinant Circadian Locomoter Output Cycles Protein Kaput (CLOCK)
Catalog Number	SIPQ074Hu01
Organism Species	Human
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 2-8ºC for one month.

Aliquot and store at -80ºC 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]

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                                        AKRVSRN KSEKKRRDQF
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
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[IDENTIFICATION]

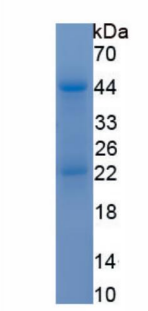


Figure. SDS-PAGE

[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.