

RPE002Hu01 10µg

Recombinant CREB Binding Protein (CREBBP)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)



[PROPERTIES]

Source: Prokaryotic expression

Host: E.coli

Residues: Asn2141~Leu2442

Tags: N-terminal His Tag

Subcellular Location: Nucleus, Cytoplasm

Purity: > 97%

Traits: Freeze-dried powder

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

Original Concentration: 60µg/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: 9.5

Predicted Molecular Mass: 33.8kDa

Accurate Molecular Mass: 37kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

- 1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
- 2. Relative charge: The composition of amino acids may affects the charge of the protein.
- 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
- 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
- 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0-0.25mg/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]

				NLNAMQAGVP
${\sf RPGVPPQQQA}$	${\sf MGGLNPQGQA}$	LNIMNPGHNP	${\sf NMASMNPQYR}$	${\sf EMLRRQLLQQ}$
QQQQQQQQQ	QQQQQGSAG	${\tt MAGGMAGHGQ}$	${\sf FQQPQGPGGY}$	${\sf PPAMQQQQRM}$
QQHLPLQGSS	${\sf MGQMAAQMGQ}$	${\sf LGQMGQPGLG}$	${\tt ADSTPNIQQA}$	LQQRILQQQQ
${\tt MKQQIGSPGQ}$	${\sf PNPMSPQQHM}$	${\sf LSGQPQASHL}$	${\tt PGQQIATSLS}$	NQVRSPAPVQ
${\sf SPRPQSQPPH}$	${\tt SSPSPRIQPQ}$	${\tt PSPHHVSPQT}$	${\sf GSPHPGLAVT}$	MASSIDQGHL
GNPEQSAMLP	QLNTPSRSAL	SSELSLVGDT	TGDTLEKFVE	GL

[IDENTIFICATION]

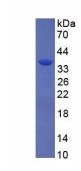


Figure. SDS-PAGE

[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.