

RPA835Hu02 10µg Recombinant Corticotropin Releasing Factor (CRF) Organism Species: *Homo sapiens (Human) Instruction manual* 

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

# Coud-Clone Corp.

# [PROPERTIES]

Source: Prokaryotic expression Host: E.coli Residues: His40~Gly195 Tags: N-terminal His Tag Subcellular Location: Secreted **Purity:** > 97% Traits: Freeze-dried powder Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose. Original Concentration: 200µg/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: 6.8 Predicted Molecular Mass: 18.5kDa Accurate Molecular Mass: 22kDa 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 20mM Tris, 150mM NaCI (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not

## [STORAGE AND STABILITY]

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 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

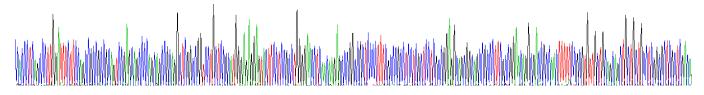
expiration date under appropriate storage condition.

#### [ SEQUENCE ]

H PQPLDFFQPP PQSEQPQQPQ ARPVLLRMGE EYFLRLGNLN KSPAAPLSPA SSLLAGGSGS RPSPEQATAN FFRVLLQQLL LPRRSLDSPA ALAERGARNA LGGHQEAPER ERRSEEPPIS LDLTFHLLRE VLEMARAEQL AQQAHSNRKL MEIIG

## [IDENTIFICATION]

 $\begin{array}{c} \textbf{intraminant find the find of the find of the transforment in the transforment in the transformed and the transformed at the find of the find$ 



#### Figure. Gene Sequencing (Extract)

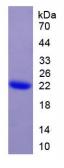


Figure. SDS-PAGE



## [<u>IMPORTANT NOTE</u>]

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.