# Cloud-Clone Corp.

**RPC210Hu02 50µg**

**Recombinant Histone Deacetylase 2 (HDAC2)**

**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:** Met1~Pro488

**Tags:** N-terminal His Tag

**Subcellular Location:** Secreted

**Purity:** > 90%

**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:** 5.7

**Predicted Molecular Mass:** 59.1kDa

**Accurate Molecular Mass:** 60kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8⁰C for one month.

Aliquot and store at -80⁰C 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 ]

```
MAYSQGGGKK  KVCYYYDGDI  GNYYYGQGHP  MKPHRIRMTH  NLLLNYGLYR
KMEIYRPHKA  TAEEMTKYHS  DEYIKFLRSI  RPDNMSEYSK  QMQRFNVGED
CPVFDGLFEF  CQLSTGGSVA  GAVKLNRQQT  DMAVNWAGGL  HHAKKSEASG
FCYVNDIVLA  ILELLKYHQR  VLYIDIDIHH  GDGVEEAFYT  TDRVMTVSFH
KYGEYFPGTG  DLRDIGAGKG  KYYAVNFPMR  DGIDDESYGQ  IFKPIISKVM
EMYQPSAVVL  QCGADSLSGD  RLGCFNLTVK  GHAKCVEVVK  TFNLPLLMLG
GGGYTIRNVA  RCWTYETAVA  LDCEIPNELP  YNDYFEYFGP  DFKLHISPSN
MTNQNTPEYM  EKIKQRLFEN  LRMLPHAPGV  QMQAIPEDAV  HEDSGDEDGE
DPDKRISIRA  SDKRIACDEE  FSDSEDEGEG  GRRNVADHKK  GAKKARIEED
KKETEDKKTD  VKEEDKSKDN  SGEKTDTKGT  KSEQLSNP
```

## [ IDENTIFICATION ]
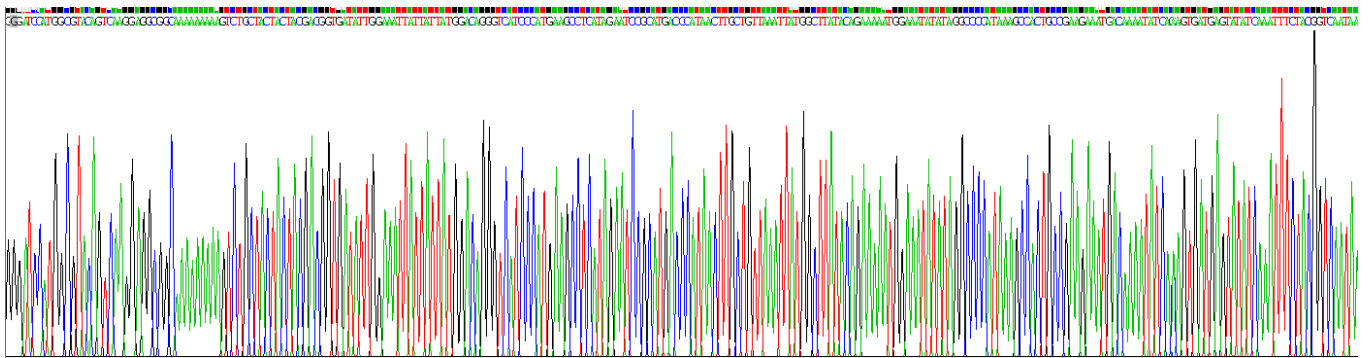


**Figure . Gene Sequencing (extract)**
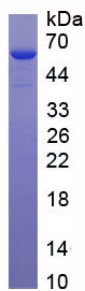


Figure. SDS-PAGE

## [ 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.