

RPC903Ra02 100µg Recombinant Deiodinase, Iodothyronine, Type II (DIO2) Organism Species: *Rattus norvegicus (Rat) Instruction manual* 

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

# Cloud-Clone Corp.

## [PROPERTIES]

Source: Prokaryotic expression

Host: E.coli

Residues: Ser30~Thr129

Tags: N-terminal His and GST Tag

Subcellular Location: Secreted

**Purity:** > 90%

**Traits:** Freeze-dried powder

Buffer formulation: PBS, pH7.4, 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: 7.4

Predicted Molecular Mass: 44.1kDa

Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.

## [<u>USAGE</u>]

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]



SVILLKHVALLLSRSKSTRGEWRRMLTSEGLRCVWNSFLLDAYKQVKLGEDAPNSSVVHVSNPEAGNNCASEKTADG AECHLLDFASAERPLVVNFGSAT

## [IDENTIFICATION]

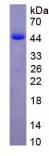


Figure. SDS-PAGE

#### [<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.